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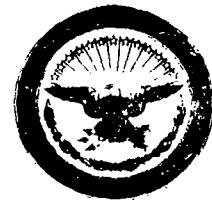
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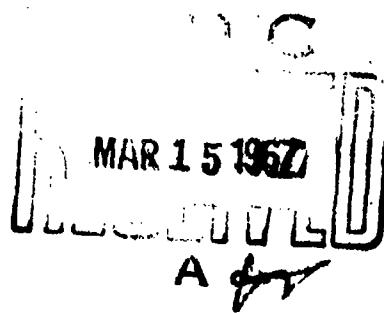
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**TARGET SIGNATURE ANALYSIS CENTER:
DATA COMPILATION
Supplement**

Dianne Earing

Infrared and Optical Sensor Laboratory
Willow Run Laboratories
Institute of Science and Technology
The University of Michigan
Ann Arbor, Michigan

January 1967



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Air Force Avionics Laboratory
Research and Technology Division
Air Force Systems Command
Wright-Patterson Air Force Base, Ohio

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FOREWORD
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This report, Willow Run Laboratories Report No. 7850-9-B, is a classified supplement to Willow Run Laboratories report No. 7850-2-B, Target Signature AD4 89968. Analysis Center: Data Compilation, and was prepared at the Willow Run Laboratories of The University of Michigan's Institute of Science and Technology. The preparation of the report began under Air Force contract number AF 33(657)-10974 and was completed under Air Force contract number AF 33(615)-3654. The work was administered under the direction of the Reconnaissance Division, Air Force Avionics Laboratory, Research and Technology Division, Air Force Systems Command, Wright-Patterson Air Force Base, with Mr. Bruno K. Wernicke as project engineer.

This technical report has been reviewed and is approved.

Bruno K. Wernicke
Project Engineer

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**TARGET SIGNATURE ANALYSIS CENTER:
DATA COMPILATION
Supplement**

**1
INTRODUCTION**
Unclassified

The Target Signature Analysis Center established at The University of Michigan and sponsored by the Air Force Avionics Laboratory is intended to provide a centralized source of data and analysis techniques useful for improving remote sensors. Data on the electromagnetic properties of target and background materials (e.g., reflectance, transmittance, emittance, and radar cross sections) are collected, reduced to a standard format, and disseminated to other researchers.

The Target Signature Analysis Center data compilation is being published in two volumes. The first volume contained only unclassified data to facilitate wide distribution. This supplement contains the classified data and consists of approximately 350 curves on the optical properties of various target and background objects. The data are confined to the portion of the electromagnetic spectrum from 0.2 to 15.0 μ . The data reported include:

- (1) Directional reflectance vs. wavelength
- (2) Emittance vs. wavelength
- (3) Degree of linear polarization vs. wavelength
- (4) Degree of linear polarization vs. zenith angle of observation
- (5) Degree of linear polarization vs. azimuth angle of observation

The data result from several independent investigations conducted by experimenters throughout the country and for which a variety of instrumentation has been used. So that the data may be more readily interpreted, section 2 is devoted to describing in some detail the various sets of equipment used.

Section 3.1 presents the data format. Section 3.2 contains the data. Each curve has been assigned several alphabetic descriptor codes to identify the object measured, instrumentation, optical property measured, and spectral interval. The curves have been grouped according to the coded descriptor that best indicates the object. Section 3.3 is the subject cross-index to section 3.2 and a list containing all documents from which the data in section 3.2 were extracted is included at the end of this report.

2
DESCRIPTION OF INSTRUMENTATION
Unclassified

This section contains descriptions of the instruments used to obtain the data presented in section 3.

2.1. DETROIT ARSENAL REFLECTANCE MEASUREMENTS

The measurements reported herein from the Detroit Arsenal were made with a Perkin-Elmer Recording Spectrometer and a Coblenz hemispherical reflectance attachment. Figure 1 is a schematic diagram of the measurement apparatus. Basically, the incident radiation, which is very nearly monochromatic, is focused on the sample through a small hole in the hemisphere.

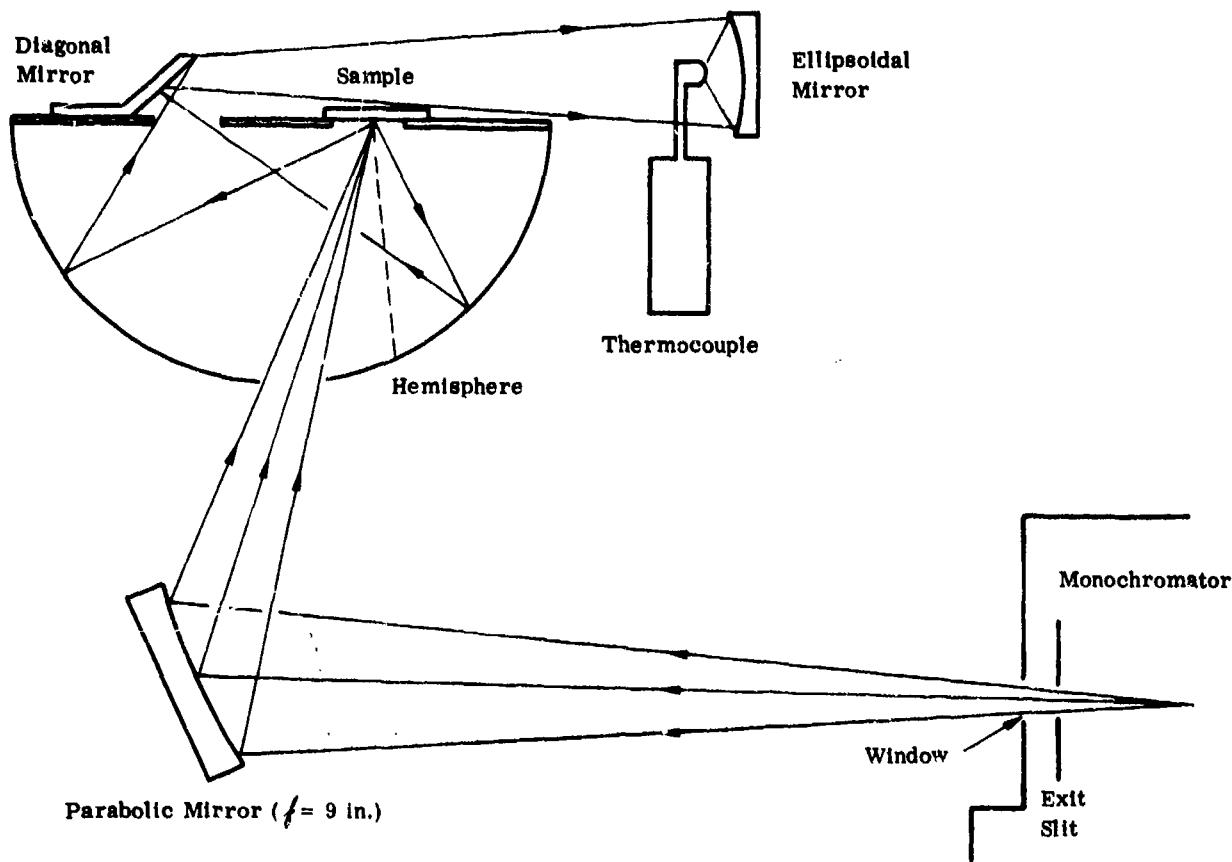


FIGURE 1. COBLENTZ HEMISPHERE USED BY DETROIT ARSENAL [1]
Unclassified

The sample is located at a small distance from the sphere's center. Energy reflected by the sample in any direction is re-reflected by the gold-coated hemisphere (a specular reflector) and focused at a spot in the sample plane diametrically opposite the sample. By a system of mirrors the collected energy is focused on the detector.

The instrument was calibrated separately for specular reflectors and for diffuse reflectors. For specular reflectors, an evaporated aluminum standard of known reflectance was placed in the sample location, and the instrument slit widths were adjusted until the reading coincided with the predetermined value. The slit width was recorded for that wavelength and the procedure repeated at $1.0-\mu$ intervals between 1 and $12\ \mu$. The first wavelength read was $1\ \mu$. The resulting set of slit widths was used for all samples considered specular, and the reading was recorded as reflectance. In the case of a diffuse reflector, the same procedure was followed using a smoked MgO standard.

2.2. NOTS POLARIZATION MEASUREMENTS

The data obtained at the Naval Ordnance Test Station (NOTS), China Lake, Calif., consist of measurements of the degree of linear polarization of light reflected from target and background objects. The data result from a joint laboratory and field study and are reported in three forms:

- (1) P_L vs. λ ,
- (2) P_L vs. θ ,
- (3) P_L vs. ϕ ,

where

P_L = degree of linear polarization
 λ = wavelength
 θ = zenith angle of observation
 ϕ = azimuth angle of observation

2.2.1. FIELD MEASUREMENTS. Field measurements were made using a specially designed polarimeter consisting of a Polaroid HM-22 high extinction linear polarization filter, an f/4 250-mm telephoto lens, an eyepiece to observe the field of view, and an RCA 200-4-25-2.0 silicon photodetector (fig. 2). The wavelength was monitored by inserting any one of a series of $20-\mu$ optical bandpass filters behind the polarization analyzer. The filters were centered at the following peak wavelengths: 486, 520, 546, 579, 589, 656, and $706\ \mu$. The detector field of view was two degrees.

The polarimeter was mounted on a tripod for measuring terrain. The positions of the sun and polarimeter with respect to the observed ground were recorded using the notation shown in figure 3. The polarization analyzer was then rotated and currents corresponding to the maximum and minimum transmitted fluxes (I_1 and I_2) were recorded. The degree of linear polarization was calculated from the following equation:

$$P_L = \frac{I_1 - I_2}{I_1 + I_2}$$

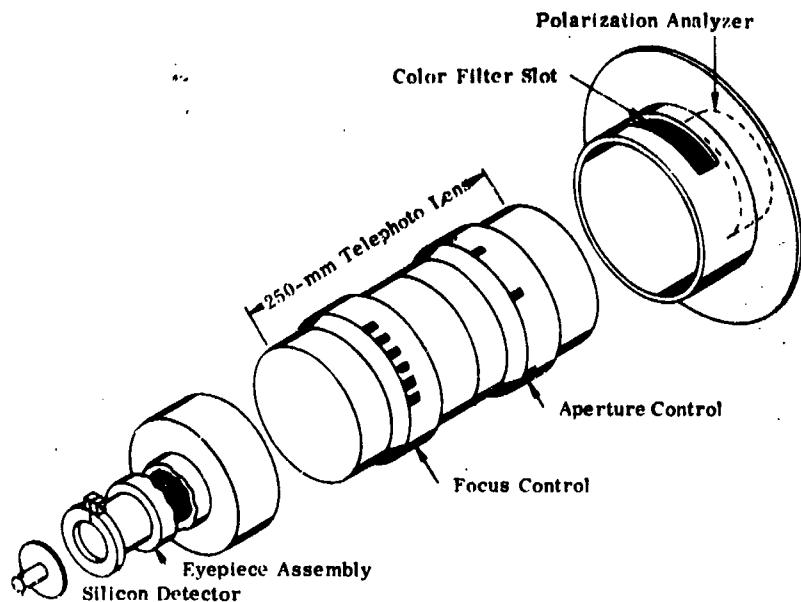


FIGURE 2. PHOTOELECTRIC FIELD POLARIMETER [2]

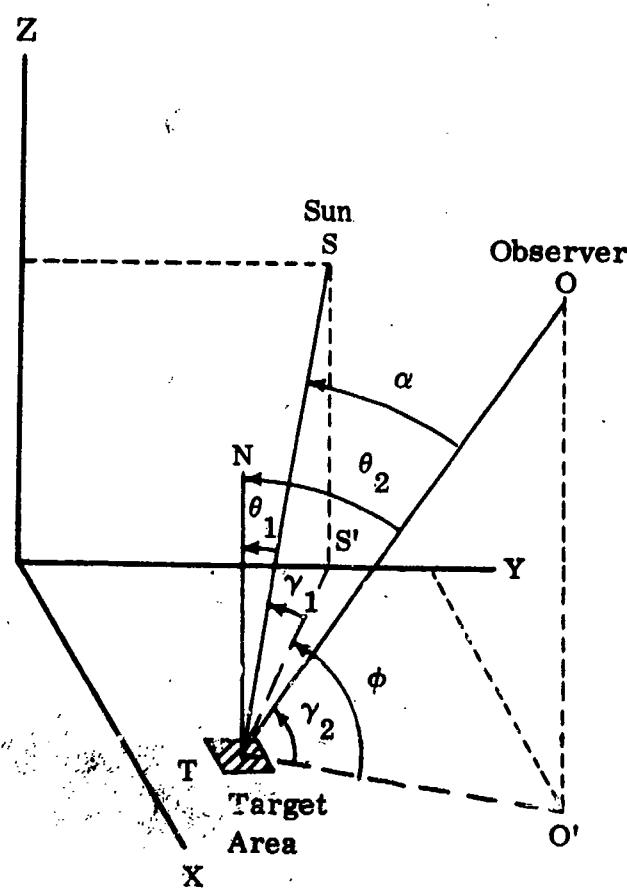


FIGURE 3. GEOMETRY OF FIELD MEASUREMENTS [2]
Unclassified

2.2.2. LABORATORY MEASUREMENTS. Laboratory measurements were conducted in much the same way as the field studies. The instrument (fig. 4) differed basically from the field instrument in two respects: (1) an artificial source was used rather than the natural illumination, and (2) the source and the detector were coplanar; for the field measurements, the detector could be situated at any desired azimuth in relation to the sun. The source was fixed, while the sample could be tilted to allow various incidence angles. The detector could also be moved independent of the sample holder to permit several viewing angles.

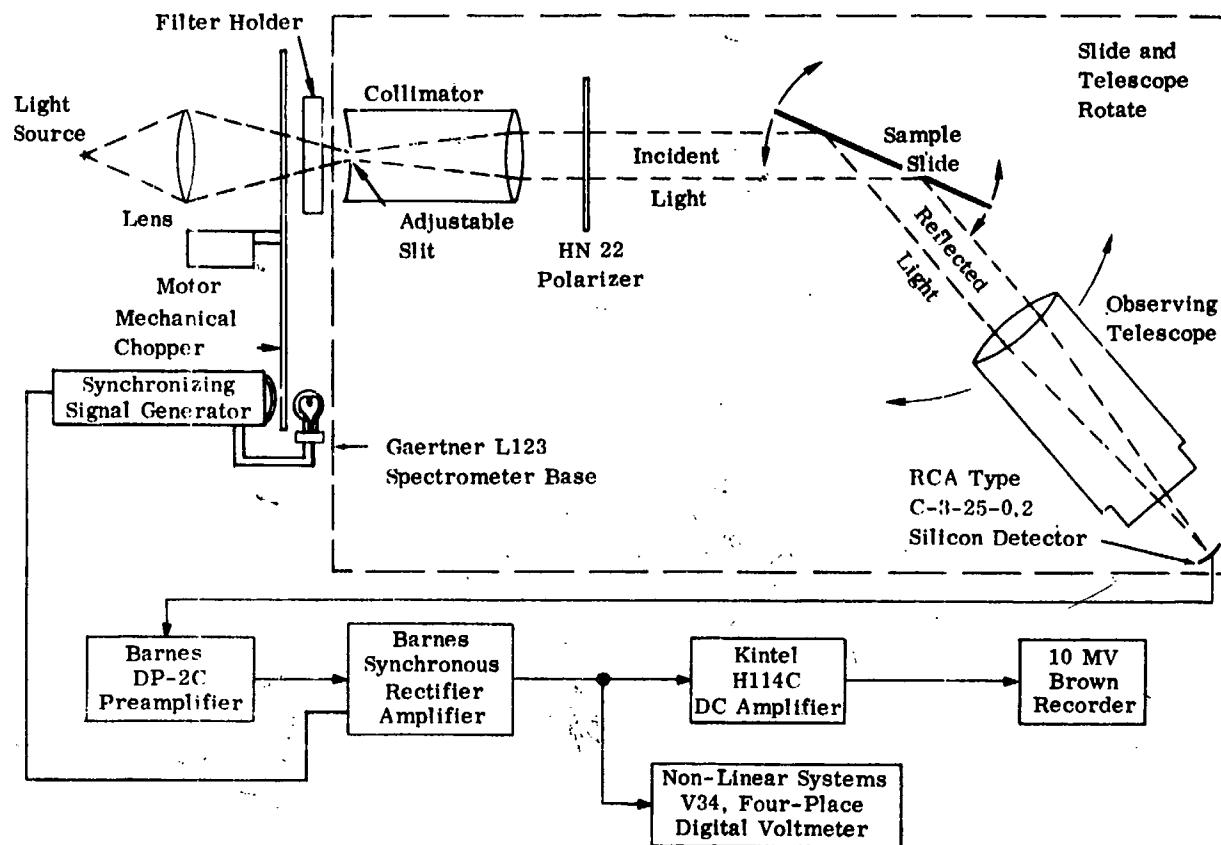


FIGURE 4. LABORATORY POLARIMETER AND INSTRUMENTATION [2]
Unclassified

The illumination angles used in this study were 30° , 60° , and 80° , and the observation angle varied from 5° to 85° .

The polarizer was inserted in the incident beam in first the perpendicular and then the parallel orientation. Light reflected from the sample, V_{\perp} and $V_{||}$ respectively, was recorded.

Here the degree of linear polarization, P_L , is given by

$$P_L = \frac{V_{\perp} - CV_{||}}{V_{\perp} + CV_{||}}$$

where $V_{\perp i,r}$ = voltage observed upon reflection in the direction θ_r of perpendicularly polarized light at an incidence angle θ_i

$V_{\parallel i,r}$ = voltage observed upon reflection in the direction θ_r of parallel polarized light at an incidence angle θ_i

2.3. MARTIN-MARIETTA REFLECTANCE MEASUREMENTS

The measurements reported herein from the Martin-Marietta Corporation are directional reflectance vs. wavelength, primarily in the ultraviolet portion of the electromagnetic spectrum. The measurements were made with two instruments, a Cary 14R reflectometer, and a Perkin-Elmer normal incidence reflectometer. These instruments are both standard manufacturer's items.

2.3.1. CARY 14R REFLECTOMETER. This instrument is shown schematically in figure 5. Sample illumination was achieved by placing a high intensity source at a small port in the bottom of the integrating sphere. The sample is thus illuminated by a broad spectral band, hemispherical source. A double prism grating monochromator then alternately looks at a $MgCO_3$ reference and the sample. This instrument may be operated over the 0.2- to 2.2- μ range.

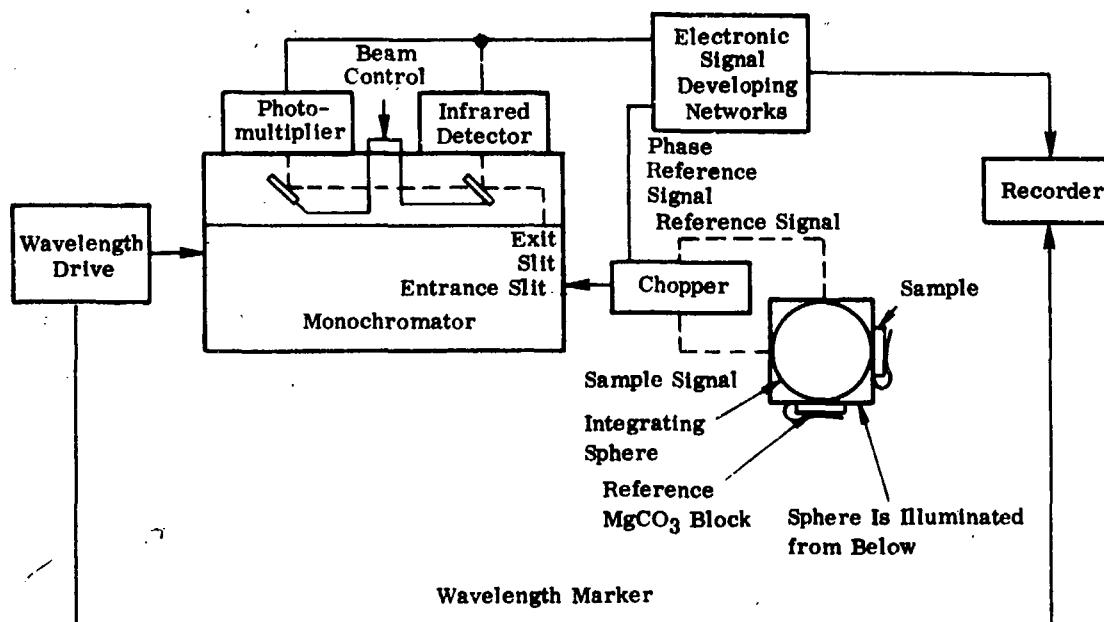


FIGURE 5. CARY 14R REFLECTOMETER [3]
Unclassified

2.3.2. PERKIN-ELMER NORMAL INCIDENCE REFLECTOMETER. This instrument is shown schematically in figure 6. In operation, broad spectral band light is collected and focused on the sample at the reflectance unit (fig. 7). Light reflected from the sample is collected and

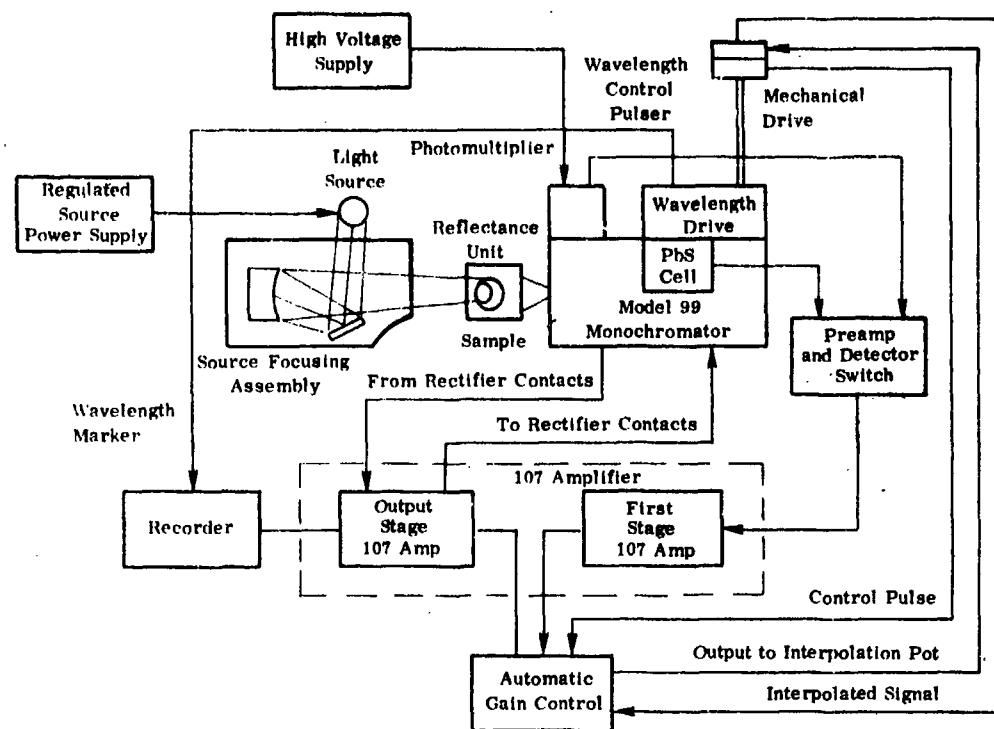


FIGURE 6. PERKIN-ELMER NORMAL INCIDENCE REFLECTOMETER [3]
Unclassified

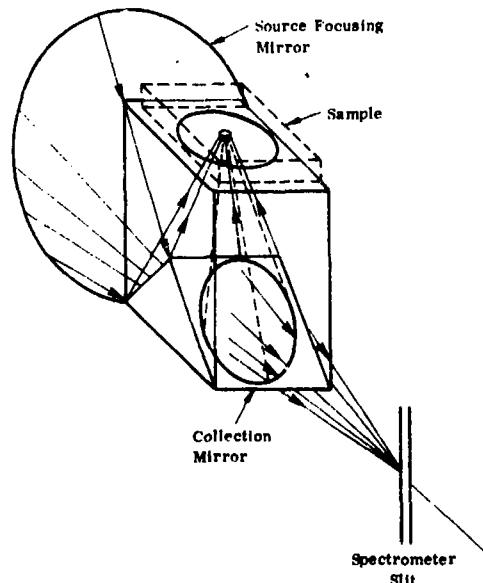


FIGURE 7. PERKIN-ELMER REFLECTANCE UNIT [3]
Unclassified

focused onto the entrance slit of a Perkin-Elmer Model 99 monochromator where it is analyzed spectrally from 0.2 to 0.4 μ . The measurements were made using a $MgCO_3$ reflectance standard.

3
OPTICAL DATA
Secret

3.1. (U) DATA FORMAT

In order to transfer a data curve from a source document to the Target Signature Library, the curve is first manually digitized and keypunched on IBM cards. Great care is exercised to preserve all significant details of the original curve except those attributable to instrument noise. Data points are taken in such a way that a new curve formed by connecting the data points with straight lines will duplicate the original curve. In essence, this amounts to taking data points at all significant inflection points on the curve. Thus relatively few data points are required to describe a smooth curve, while many points may be required to describe a highly erratic curve.

The keypunched cards are the mechanism for transferring the data to magnetic tape in the Target Signature Library, and for printing out data curves in a standard format on a plotting machine. All curves presented in this report have been prepared by this process.

The header information above each curve includes the curve identification number, the curve title, subject codes, and parameter information.

The curve identification number consists of the internal control letter "B" and eight digits. The first five digits identify the document from which the data were taken (the bibliography at the end of this report lists the documents by control letter and these five digits). The last three digits have been arbitrarily assigned by the Target Signature Analysis Center for purposes of retrieval and serve to identify a particular curve within a given source.

The subject code consists of a group of letters assigned to each curve to enable retrieval by subject. Each letter represents a specific descriptor, and each curve is assigned as many letters as are required to describe it adequately. The Target-Signature Subject-Code List (table I) explains the codes.

As an example, a curve may be described as follows:

Object Measured:	Loam (BFEA)
Instrumentation:	General Electric Spectrophotometer (CDB)
Experimental Platform:	Laboratory (CED)
Quantity Measured:	Directional reflectance where the specular component has been included in the measurement (DFAA)
Reflectance Standard:	Magnesium Oxide (DFCE)
Spectral Interval:	0.4-0.7 μ (ECB) and 0.7-1.5 μ (ECCA)

The conditions of the experiment, called parameter information, are also listed on the printed header in abbreviated form. This information is derived from the original source when

available. For many of the data, very few parameter entries appear because the source lacked documentation of the experimental parameters or because parameters are not applicable to all measurements; e.g., parameters such as altitude and range do not apply to laboratory measurements. Table II is the key for interpreting the parameter information.

The optical data that follow are arranged according to the subject code most descriptive of the object or sample. Each data curve has been assigned several codes, and a complete cross-index of curve-identification numbers by subject code and their location within this document may be found in section 3.3. Since the Target-Signature Subject-Code List contains a large number of specific types of target and background categories, it was necessary in some cases to group data into somewhat broader categories. The sections containing the optical data are:

AAKA	Clothing
AEA	Aluminum
AEB	Asphalt
AEC	Brick
AEG	Concrete
AEH	Dirt
AEI	Galvanized Steel
AEK	Gravel
AEL	Metal
AEM	Paint
AOO	Plastic
AEP	Rubber
AEQ	Tar
AER	Tile
AET	Wood
BF	Soil
BG	Vegetation
BH	Water

TABLE I. TARGET-SIGNATURE SUBJECT CODE LIST

Unclassified

A	TARGETS		AEMA	White Pigments
AA	Ground		AEMAA	Zinc Oxide (Zinc White)
AAA	Buildings		AEMAB	Lead Basic Carbonate
AAB	Guns			(White Lead)
AABA	Artillery		AEMAC	Titanium Dioxide
AABB	Rifles		AEMB	Green Pigments
AAC	Industrial Facilities		AEMBA	Chromic Oxide (Chrome Green)
AACA	Power Stations		AEMC	Red Pigments
AACB	Shipyards		AEMCA	Ferric Oxide (Hematite)
AAD	Military Facilities		AEMCB	Trilead Tetroxide (Red Lead)
AADA	Communication Centers		AEMD	Metallic Pigments
AADB	Fortifications		AEMDA	Aluminum Powder
AADC	Launching Sites		AEME	Other Pigments (Color Unknown)
AADCA	Anti-Aircraft		AEMEA	Mica
AADD	Marshalling Yards		AEMEB	Aluminum Silicate
AADE	Supply Depots		AEMF	Mediums, Thinners, Driers
AAE	Airfields		AEMFAA	Resin
AAF	Railroad		AEMFAB	Oleo
AAFA	Tracks		AEMFB	Alkyd
AAFB	Yards		AEMFC	Ester
AAG	Roads		AEN	Xylene
AAH	Bridges		AEO	Paper/Cardboard
AAI	Dams		AEP	Plastic
AAJ	Docks		AEQ	Rubber
AAK	Personnel		AER	Tar
AAKA	Clothing		AES	Tile
AAKB	Troop Concentrations		AET	Varnish
AAL	Vehicles		AF	Wood
AALA	Aircraft		AFA	Radiation Control
AALB	Armored		AFB	Anti-Reflection Coating
AALC	Convoys		AFC	Shielding
AALD	Earth-Moving		AG	Temperature Control
AALE	Tanks			Signatures
AALF	Trucks			
AB	Marine		B	BACKGROUNDS
ABA	Submarine		BA	Atmosphere
ABB	Surface Vessels		BAA	Constituents
ABBA	Barges		BAAA	Aerosols
ABBB	Landing Craft		BAAB	Dust
AC	Camouflage		BAAC	Fog
AD	Decoys		BAAD	Gases
AE	Materials		BAAE	Haze
AEA	Aluminum		BAAF	Rain
AEB	Asphalt		BAAG	Smog
AEC	Brick		BAAH	Smoke
AED	Burlap		BAAI	Snow
AEE	Canvas		BAAJ	Spray
AEF	Cinder		BAAK	Water Vapor
AEG	Concrete		BAB	Sky
AEH	Dirt		BB	Clouds
AEI	Galvanized Steel		BBA	Cumulonimbus
AEJ	Glass		BBB	Cirrus
AEK	Gravel			
AEL	Metal			
AEM	Paint			

BBC	Cirrocumulus	BFHE	Bedrock
BBD	Cirrostratus	BFI	Series
BBE	Alto Cumulus	BFIA	Aguan
BBF	Alto Stratus	BFIB	Aiken
BBG	Cumulus	BFIC	Akron
BBH	Nimbostratus	BFID	Alamance
BBI	Strato Cumulus	BFIE	Albion
BC	Light Conditions	BFIF	Alonso
BCA	Day	BFIG	Barnes
BCB	Sunrise or Sunset	BFIH	Blakely
BCC	Twilight	BFII	Clareville
BCD	Night	BFLJ	Clarion
BCE	Clear	BFIK	Collington
BCF	Overcast	BFIL	Colts Neck
BD	Season	BFIM	Jecatur
BDA	Summer	BFIN	Dublin
BDB	Fall	BFIO	Gooch
BDC	Winter	BFIP	Grady
BDD	Spring	BFIQ	Greenville
BE	Terrain	BFIR	Guthrie
BEA	Flat	BFIS	Hainamanu
BEB	Rolling	BFIT	Hall
BEC	Hilly	BFIU	Hamakua
BED	Mountainous	BFIV	Herradura
BEE	Rural	BFIW	Joplin
BEF	Urban	BFIX	Marias
BF	Soil	BFIY	Marshall
BFA	Cultivated	BFIZ	Matanzas
BFB	Uncultivated	BFJ	Series (continued)
BFC	Coarse Textured	BFJA	Maury
BFCA	Sand	BFJB	Moaula
BFCB	Loamy Sand	BFJC	Naalehu
BFD	Moderately Coarse Textured	BFJD	Onomea
BFDA	Sandy Loam	BFJE	Ookala
BFDB	Fine Sandy Loam	BFJF	Orangeburg
BFE	Medium Textured	BFJG	Oriente
BFEA	Loam	BFJH	Orman
BFEB	Silt Loam	BFJI	Pallman
Bfec	Silt	BFJJ	Penn
BFF	Moderately Fine Textured	BFJK	Pierre
BFFA	Clay Loam	BFJL	Putnam
BFFB	Sandy Clay Loam	BFJM	Quibdo
BFFC	Silty Clay Loam	BFJN	Rubicon
BFG	Fine Textured	BFJO	Ruston
BFGA	Sandy Clay	BFJP	Santa Barbara
BFGB	Silty Clay	BFJQ	Texas Dune
BFGC	Clay	BFJR	Tifton
BFH	Other Constituents	BFJS	Tillman
BFHA	Organic Material	BFJT	Tilisit
BFHB	Gravel (less than 3-in. diameter)	BFJU	Vernon
BFHC	Cobbles (3- to 10-in. diameter)	BFJV	Weld
BFHD	Stones (greater than 10-in. diameter)	BFJW	Windthorst
		BFJX	Yolo
		BFJY	Zanesville
		BG	Vegetation

BGA	Herbaceous, Algae Fungi	BGCNA	European Blueberry
BGAA	Cladoniaceae Family	BGCNB	Heather
BGAAA	Reindeer Moss	BGCO	Mallow Family
BGB	Moss-Liverwort	BGCOA	Cotton
BGBA	Sphagnum Family	BGCP	Mustard Family
BGBAA	Sphagnum Moss	BGCPA	Cabbage
BGC	Vascular	BGCPB	Mustard
BGCA	Banana Family	BGCQ	Nightshade Family
BGCAA	Banana	BGCQA	Potatoes
BGCB	Bromeliaceae Family	BGCQB	Tomatoes
BGCBA	Bunch Grass	BGCR	Pea (or Pulse) Family
BGCC	Buckwheat Family	BGCRA	(see also Ligneous)
BGCCA	Buckwheat	BGCRB	Alfalfa
BGCD	Composite Family (cf. Ligneous)	BGCRC	Clover
BGCDA	Daisy	BGCRD	Coffee Plant
BGCDB	Goldenrod	BGCRE	Lentil
BGDCD	Ragweed	BGCRF	Lima Bean
BGCDD	Sunflower	BGC RG	Pea
BGCE	Convolvulus Family	BGC RH	Peanut
BGCEA	Sweet Potatoe	BGC RI	Soybean
BGCF	Crowfoot Family	BGCS	String Bean
BGCFA	Crowfoot	BGC SA	Plantain Family
BGCG	Duckweed Family	BGCT	Plantain
BGCGA	Duckweed	BGCTA	Sedge Family
BGCH	Evening-Primrose Family	BGCTB	Cotton Grass
BGCHA	Willow Herb (cf. Willow Family)	BGD	Sedge
BGCI	Fern Family	BGDA	Ligneous
BGCIA	Bracken Fern	BGDA A	Arecaceae Family
BGCJ	Flax Family	BGDB	Areca Palm
BGCJA	Flax	BGDB A	Beech Family
BGCK	Goosefoot Family	BGDB B	Beach
BGCKA	Pigweed	BGDB C	Chestnut
BGCKB	Sugar Beet	BGDC	Oak
BGCL	Gourd Family	BGDC A	Bignonia Family
BGCLA	Squash	BGDD	Catalpa
BGCM	Grass Family	BGDE	Calycanthaceae Family
BGCMA	Barley	BGDE A	Meratia Praecox
BGCMB	Bermuda Grass	BGDF	Carduaceae Family
BGCMC	Corn	BGDF A	Rabbit Brush
BGCMD	Creeping Grass	BGDF B	Cashew Family
BGCME	Fescue	BGD G	Chinese Pistachio
BGCMF	Foxtail	BGD GA	Sumach
BGCMG	Ilyas	BGD GB	Composite Family
BGCMH	Millet	BGD H	(cf. Herbaceous)
BGCMI	Oats	BGD HA	Sagebrush
BGCMJ	Reeds	BGD I	Wormwood
BGCMK	Rice	BGD IA	Dogwood Family
BGCLM	Rye	BGD IB	Dogwood
BGCMM	Selin	BGD J	Ebony Family
BGCMN	Timothy	BGD JA	Ironwood (cf. Hazel family)
BGCMO	Vetch	BGD K	Persimmon
BGCM P	Wheat	BGD KA	Elm Family
BGCN	Health Family (see also Ligneous)		Elm

BGDL	Hazel Family	BGEB	Sour Gum Family
BGDLA	Alder	BGEBA	Gum
BGDLB	Birch	BGEC	Trumpet-Creeper Family
BGDLC	Hazelnut	BGECA	Calabash
BGDLD	Hornbeam	BGED	Vine Family
BGDLE	Ironwood (cf. Ebony Family)	BGEDA	Virginia Creeper
BGDM	Heath Family (cf. Herbaceous)	BGEE	Walnut Family
BGDMA	Mountain Laurel	BGEEA	Hickory
BGDN	Holly Family	BGEF	Willow Family
BGDNA	Holly	BGEFA	Aspen
BGDO	Honeysuckle Family	BGEFB	Poplar
BDGOA	Viburnum	BGEFC	Willow (cf. Evening-Primrose Family)
BGDP	Laurel Family	BGEFCA	Dwarf
BGDPA	Laurel	BGEFCB	Ground
BGDPB	Sassafrass	BGF	Leaf
BGDQ	Lily Family	BGFA	Narrow
BGDQA	Yucca	BGFB	Broad
BGDR	Linden Family	BGFBA	Coriaceous (Leathery)
BGDRA	Basswood	BGFBB	Membranous
BGDRB	Linden	BGFBC	Lower Surface
BGDS	Logania Family	BGFBD	Upper Surface
BGDSA	Privet (Ligustrum)	BGFC	Young (Spring)
BGDT	Magnolia Family	BGFD	Mature (Summer)
BGDTA	Magnolia	BGFE	Old (Fall)
BGDTB	Tulip	BGFF	Dry
BGDTC	Tulip Poplar	BGG	Bark
BGDU	Maple Family	BGH	Twig
BGDUA	Maple	BH	Water
BGDV	Mulberry Family	BHA	Formations
BGDVA	Rubber	BHAA	Lake
BGDW	Olive Family	BHAB	Puddle
BGDWA	Ash	BHAC	River
BGDX	Pine Family	BHAD	Sea
BGDXA	Cedar	BHB	State
BGDXB	Fir	BHBA	Ice
BGDXC	Juniper	BHBB	Ice and Liquid
BGDXD	Larch	BHBC	Liquid
BGDXE	Pine	BHBD	Snow
BGDXF	Spruce	BI	Climate
BGDY	Plane-Tree	C	EQUIPMENT
BGDYA	Sycamore	CA	Radar
BGDZ	Pea Family (cf. Herbaceous)	CAA	Coherent
BGDZA	Locust	CAB	Non-Coherent
BGE	Ligneous (continued)	CAC	Pulse
BGEA	Rose Family	CAD	C-W
BGEAA	Blackberry	CAE	MTI
BGEAB	Cherry	CB	Radiometer
BGEAC	Hawthorn	CC	Spectrograph
BGEAD	Juneberry	CCA	Eastman Kodak
BGEAE	Peach	CD	Spectrometer
BGEAF	Pin Cherry	CDA	Beckman
BGEAG	Plum	CDB	General Electric

CDC	Perkin-Elmer	DFD	Bidirectional
CDD	Interference	DFE	Total (Albedo)
CE	Platform	DG	Scintillation
CEA	Aircraft	DH	Solar Influence
CEB	Balloon	DI	Transmittance
CEC	Ground	DIA	Directional
CED	Laboratory	DIB	Bidirectional
CEE	Shipborne	DJ	Emission
CF	Optical	DJA	Atmosphere
CFA	Ultraviolet	DJB	Emissivity
CFB	Visible	DJC	Emittance
CFC	Infrared	DJD	Blackbody
CFD	Active	DJE	Greybody
CFE	Passive	DJF	Fluorescence
CG	Detectors	DJG	Thermal
CH	Filters	DK	Artificial Sources
CI	Image Tubes	DKA	Arc
CJ	Materials	DKB	Beacon
CK	Evaluation	DKC	Flame
CKA	Noise	DKD	Flare
CL	Reflectometer	DKE	Gas
CM	Polarimeter	DKF	Gas Discharge
D	RADIATION	DKG	Globar
DA	Pattern	DKH	Incandescent Lamp
DAA	Aspect Dependence	DKI	Maser, Laser, Iraser, Uvaser
DAB	Optical Cross Section	DKJ	Mantle
DAC	Radar Cross Section (σ)	DKK	Nernst Glower
DACA	Normalized (σ_0)	DKL	Nuclear Explosion
DB	Attenuation	DKM	Oscillator
DBA	Absorption	DKN	Shock Tube
DBB	Scatter	DKO	Spark
DBBA	Backscatter Coefficient (ρ)	DKP	Vapor Lamp
DC	Modulation	DL	Natural Sources
DD	Polarization	DLA	Aurora
DDA	Radar	DLB	Airglow
DDB	Optical	DLC	Lightning
DDBA	Circular	DLD	Lunar
DDBB	Elliptic	DLE	Planetary
DDBC	Linear	DLF	Solar
DE	Refraction	DLG	Stellar
DF	Reflectance	DLH	Zodiacal Light
DFA	Directional	DM	Flux
DFAA	Specular Included	DN	Radiance
DFAB	Specular Not Included	E	SPECTRA
DFB	Specular	EA	Gamma-Rays
DFC	Standard	EIS	X-Rays
DFCA	Baryte	EC	Optical
DFCB	Flowers of Sulfur	ECA	Ultraviolet
DFCC	Gypsum	ECAA	Less than 0.1μ
DFCD	Magnesium Carbonate	ECAB	$0.1-0.2 \mu$
DFCE	Magnesium Oxide	ECAC	$0.2-0.4 \mu$
DFCF	Paper	ECAD	$0.3-0.4 \mu$
DFCG	Rhodium Mirror	ECB	Visible ($0.4-0.7 \mu$)
DFCH	Aluminum Mirror		

ECBA	Chromaticity	FF	Filtering
ECBB	Color	FFA	Spatial
ECBBA	Blue	FFB	Spectral
ECBBB	Green	FG	Measurement
ECBBC	Yellow	FGA	Temperature
ECBBD	Orange	FGB	Time
ECBBE	Red	FGC	Position
ECBBF	Brown	FGD	Range
ECBBG	Field Drab	FGE	Angle
ECBBH	Khaki	FGF	Velocity
ECBBI	Olive Drab	FGG	Acceleration
ECBBJ	White	FH	Calibration
ECBBK	Grey	FI	Homing
ECBBL	Black	FJ	Pattern Recognition
ECC	Infrared	G	ANALYSIS
ECCA	0.7-1.5 μ	GA	Mathematical
ECCB	1.5-3.0 μ	GAA	Model
ECCC	3-5 μ	GB	Statistical
ECCD	5-8 μ	GBA	Distribution
ECCE	8-15 μ	GBAA	Gaussian
ECCF	15-50 μ	GBB	Process
ECCG	50-100 μ	GBBA	Ergodic
ECCH	100-1000 μ	GBBB	Stationary
ECCI	1.4- μ band	GBBC	Nonstationary
ECCJ	1.9- μ band	GC	Information Processing
ECCK	2.2- μ band	GCA	Digital
ECCL	2.7- μ band	GD	Correlation
ECCM	4.3- μ band	GDA	Auto-
ECCN	6.3- μ band	GDB	Cross-
ECCO	9.6- μ band	GE	One-Dimensional
ECCP	Other	GF	Two-Dimensional
ECD	Line	GG	Linear
ED	Radio Frequency		
EDA	EHF (30-300 kMc)	H	ACOUSTICS
EDB	SHF (3-30 kMc)	HA	Attenuation
EDC	UHF (0.3-3 kMc)	HAA	Absorption
EDD	VHF (30-300 Mc)	HAB	Scatter
EDE	HF (3-30 Mc)	HABA	Backscatter Coefficient (ρ)
EDF	MF (0.3-3 Mc)	HB	Modulation
EDG	LF (30-300 kc)	HC	Refraction
EDH	VLF (3-30 kc)	HD	Reflectance
F	OPERATIONS	HE	Transmission
FA	Detection	HF	Emission
FB	Discrimination	HG	Artificial Sources
FC	Reconnaissance	HH	Natural Sources
FD	Surveillance	HI	Flux
FE	Imaging	HJ	Diffraction
FEA	Photography	HK	Frequency Spectrum
FEB	Scanning	HL	Correlation
FEC	Contrast		
FED	Resolution		
FEE	Display		

TABLE II. OPTICAL DATA PARAMETERS

Unclassified

DATE	Date of measurement (day, month, and year)
TIME	Time of measurement (24-hour clock)
LAT	Latitude of measurement (field measurement) or location at which specimen was collected (laboratory measurement)
LONG	See LAT
ALT	Altitude of experimental platform (thousands of feet)
RANGE	Slant range (thousands of feet)
DAYS RE	Number of days sample has been removed from its natural environment
IN*	Incidence angle from normal (degrees)
IAZ*	Azimuth of incident radiation (degrees)
CN**	Collection angle from normal (degrees)
CAZ**	Azimuth of collection angle (degrees)
IRR	Type of target irradiation coded as follows: A. Sun B. Moon C. Skylight (extended source) D. Laser E. Other artificial point sources
OBST	Obstructions in the air that prevent a clear view of the target, coded as follows: A. Smoke B. Haze C. Dust D. Sand E. Fog F. Drizzle G. Rain H. Snow I. Hail
TTEMP	Temperature of target or measured object (°K)
WIND SP	Average wind speed (mph)
WIND DI	Wind direction
CLD	Total cloud cover, coded as follows: A. 0 - 0.1 B. 0.2 - 0.5 C. 0.6 - 0.8 D. 0.9 - 1.0
VIS	Visibility (miles)
TEMP	Temperature of environment (°F)
DEW PT	Dew point temperature (°F)
N AVE	Number of curves or measurements that have been averaged to make up this curve

*These angles are defined only if the major portion of radiation incident on the target comes from a point source, e.g., the sun (see fig. 8).

**These angles are defined when the target is observed from one direction (see fig. 8).

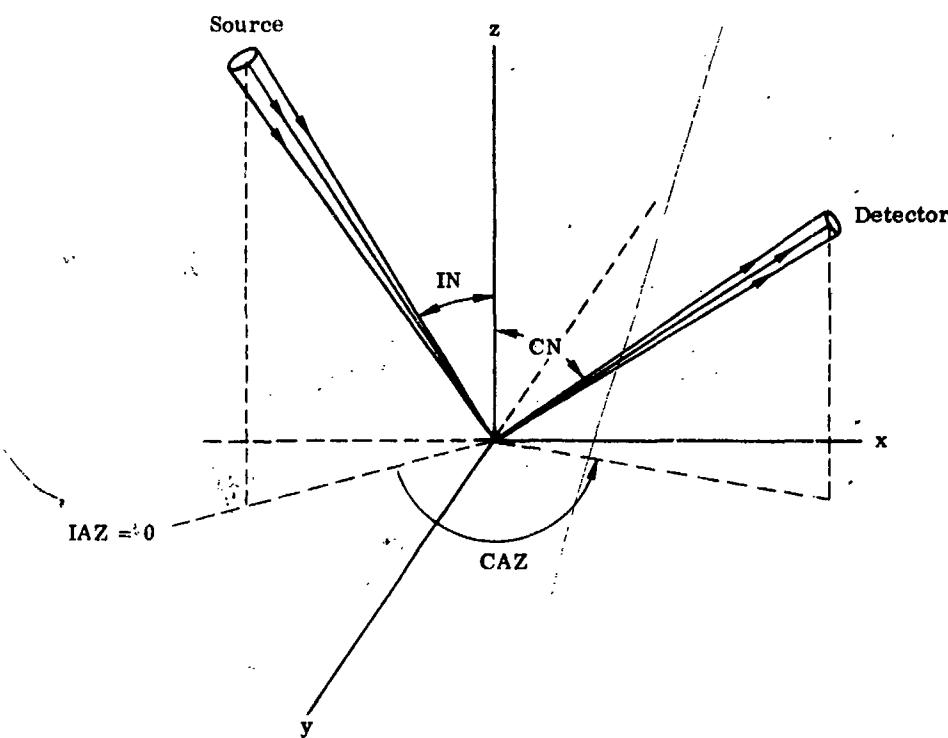


FIGURE 8. GEOMETRY USED IN RECORDING PARAMETER INFORMATION
Unclassified

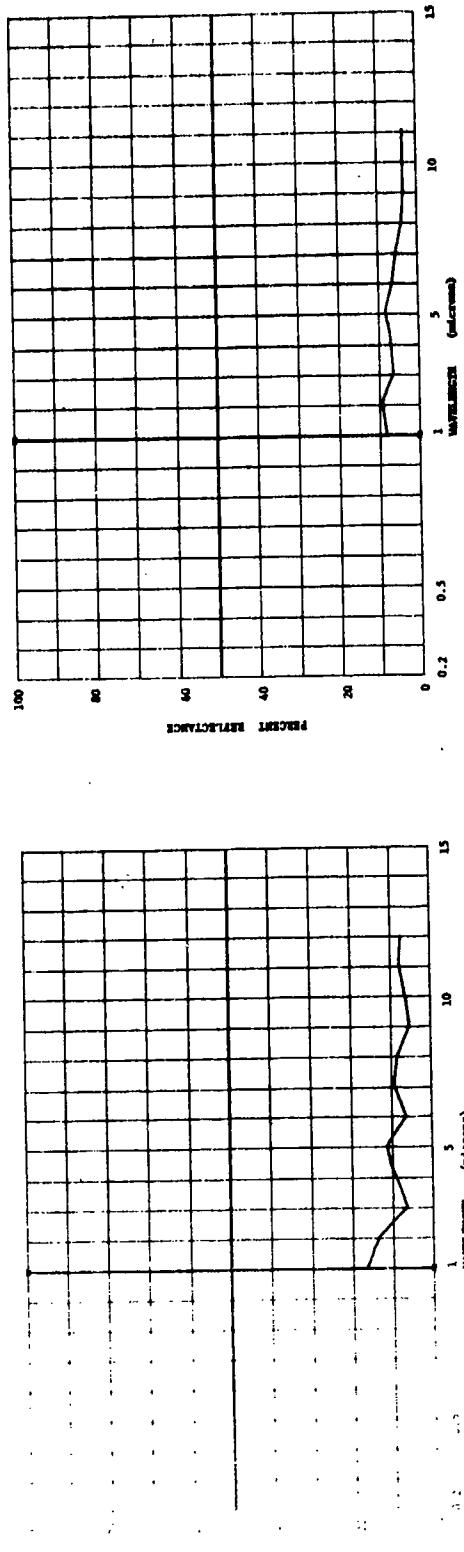
AAKA
TARGET MATERIALS
Clothing

CONFIDENTIAL

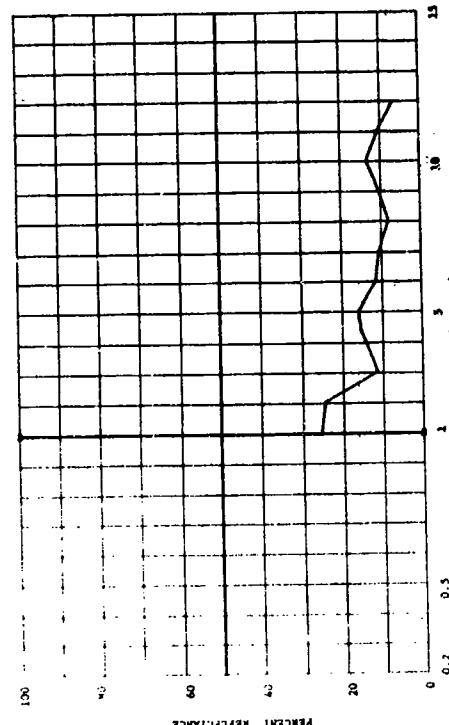
AAKA 1

Temperate, "Grey, on Nylon, Fine Cloth Grade. Reverse Side of
A.1357-05C. (CONFIDENTIAL)

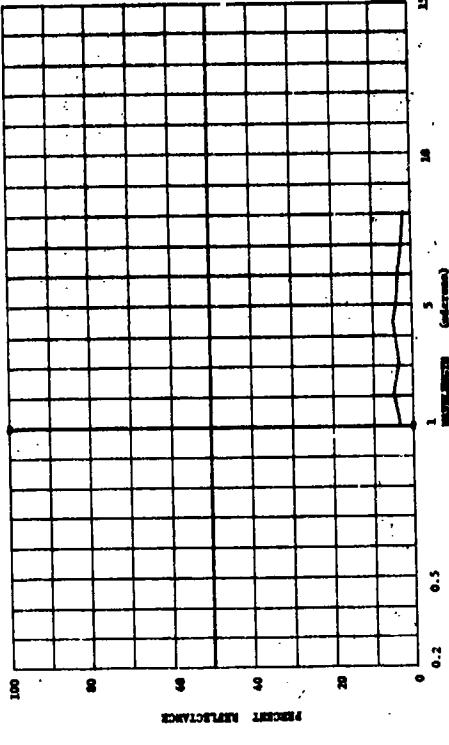
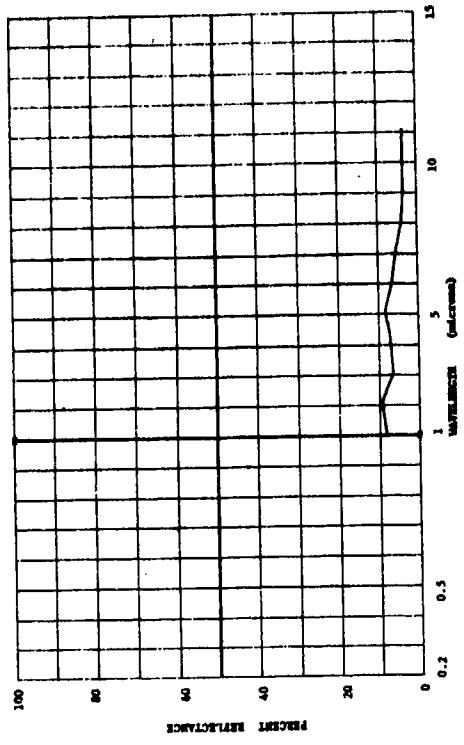
Vinyl, White - on Caskets, Coffins, Clock Cases, Bureau Side of
5132006. (CONFIDENTIAL)



Brown, On Airplane Clock, Fine Clock Glass, Reverse
Side View. Silkscreen. (CONTINENTAL)



Vinci, Vinci - in Circles. Concert Clock Code. Reverse Side of
313291959. (CONFIDENTIAL)



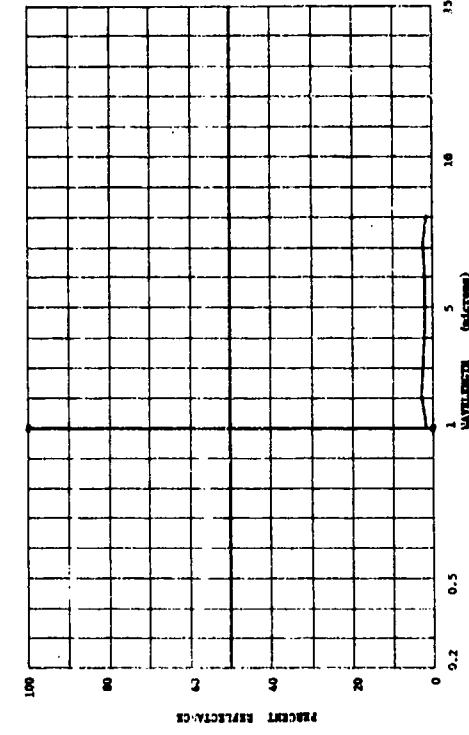
CONFIDENTIAL

AAA 2

• B13501-074 Cotton Duck, Olive Drab, Coarse Cloth Weave. (CONFIDENTIAL)

• B13501-075 Flax Co. 17 Duck, Olive Drab, Coarse Cloth Weave. (CONFIDENTIAL)

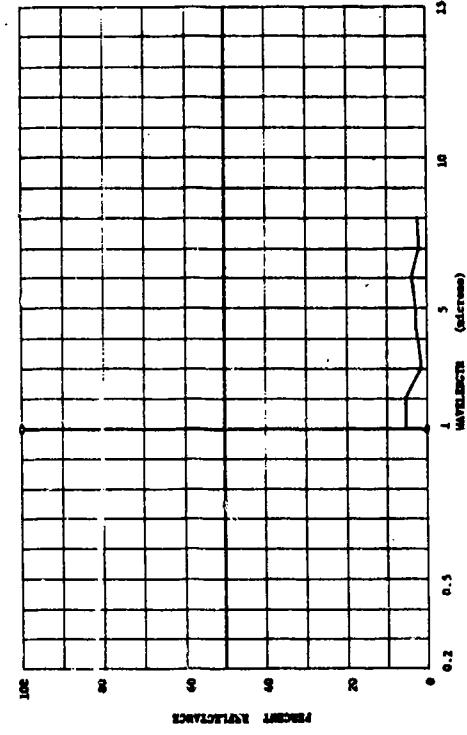
SUBJECT CODES							
AAA	EBCB1	CDC	DFAA	DEC	EECA	EDCC	EDCD
PARAMETER INFORMATION		LAT ^N	LON ^N	ALT ^N	RANGE ^N	ALTN ^S	RANGE ^S
DATE	TIME	TAP ^N	CH ^N	CAP ^N	120° E	CH ^S	120° E
DATE	TIME	TAP ^S	CH ^S	CAP ^S	VIS ^N	CH ^N	VIS ^S
CRST ^N	TIME ^N	VWD ^N	DIR ^N	CLB ^N	SP ^N	CRST ^S	TIME ^S
CRST ^S	TIME ^S	VWD ^S	DIR ^S	CLB ^S	SP ^S	CRST ^N	TIME ^N
DATA		AVP ^N	AVP ^S	AVP ^N	AVP ^S	DATA	



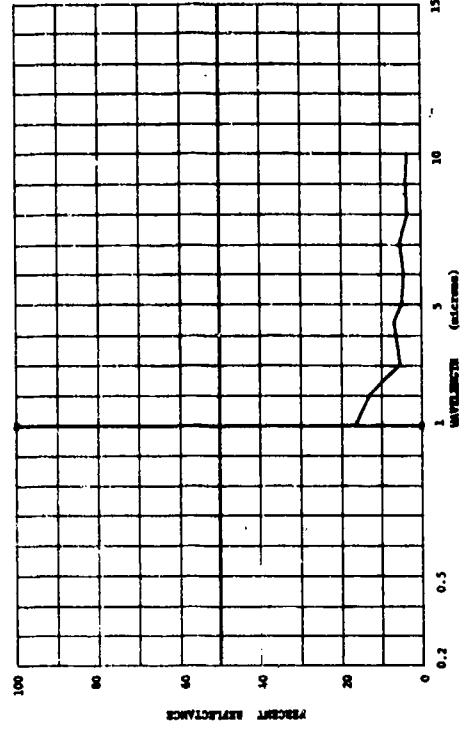
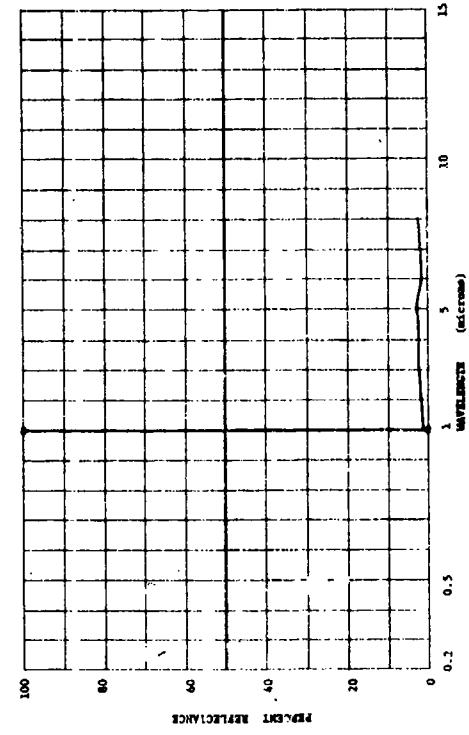
• B13501-076 Cotton Duck, Crepe, Coarse Cloth Weave. (CONFIDENTIAL)

• B13501-077 Uniform Fabric, Wool, Elongated, Dark, Medium Cloth Weave. (CONFIDENTIAL)

SUBJECT CODES							
AAA	EBCB1	CDC	DFAA	DEC	EECA	EDCC	EDCD
PARAMETER INFORMATION		LAT ^N	LON ^N	ALT ^N	RANGE ^N	ALTN ^S	RANGE ^S
DATE	TIME	TAP ^N	CH ^N	CAP ^N	120° E	CH ^S	120° E
DATE	TIME	TAP ^S	CH ^S	CAP ^S	VIS ^N	CH ^N	VIS ^S
CRST ^N	TIME ^N	VWD ^N	DIR ^N	CLB ^N	SP ^N	CRST ^S	TIME ^S
CRST ^S	TIME ^S	VWD ^S	DIR ^S	CLB ^S	SP ^S	CRST ^N	TIME ^N
DATA		AVP ^N	AVP ^S	AVP ^N	AVP ^S	DATA	



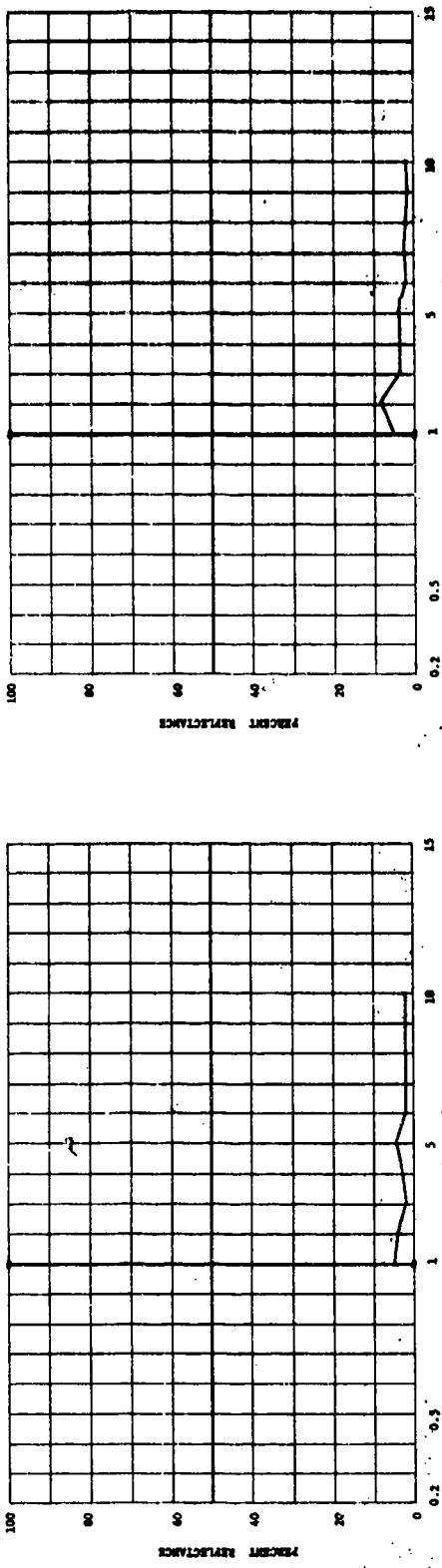
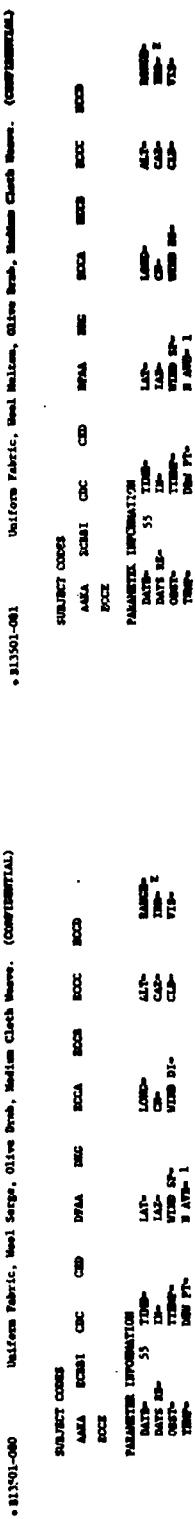
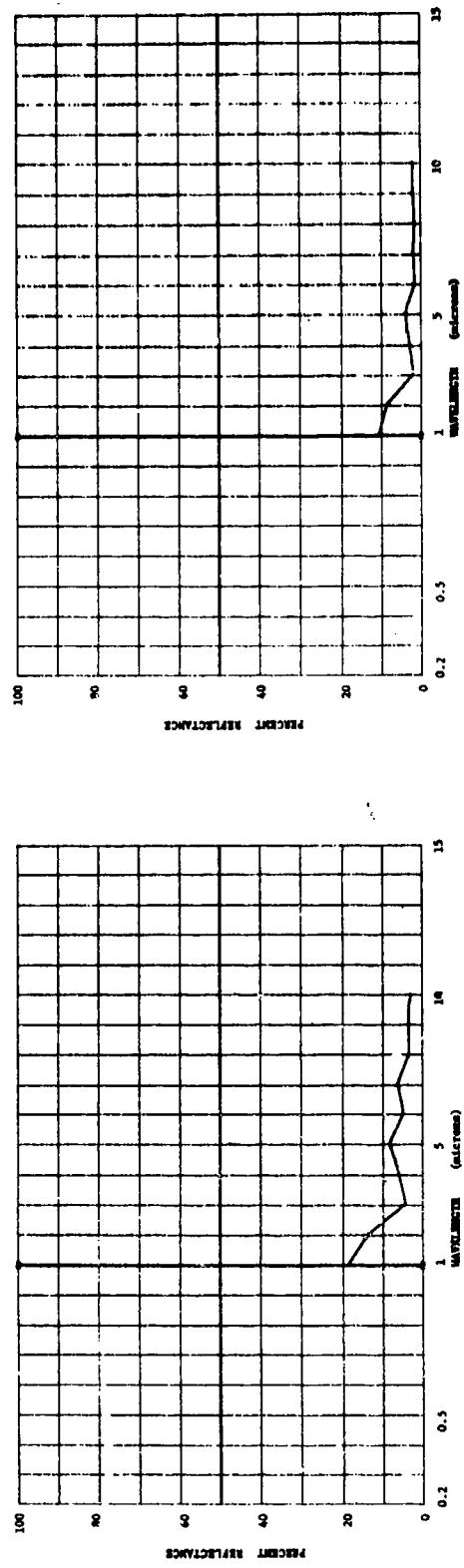
SUBJECT CODES							
AAA	EBCB1	CDC	DFAA	DEC	EECA	EDCC	EDCD
PARAMETER INFORMATION		LAT ^N	LON ^N	ALT ^N	RANGE ^N	ALTN ^S	RANGE ^S
DATE	TIME	TAP ^N	CH ^N	CAP ^N	120° E	CH ^S	120° E
DATE	TIME	TAP ^S	CH ^S	CAP ^S	VIS ^N	CH ^N	VIS ^S
CRST ^N	TIME ^N	VWD ^N	DIR ^N	CLB ^N	SP ^N	CRST ^S	TIME ^S
CRST ^S	TIME ^S	VWD ^S	DIR ^S	CLB ^S	SP ^S	CRST ^N	TIME ^N
DATA		AVP ^N	AVP ^S	AVP ^N	AVP ^S	DATA	



CONFIDENTIAL

CONFIDENTIAL

AAKA 3



CONFIDENTIAL

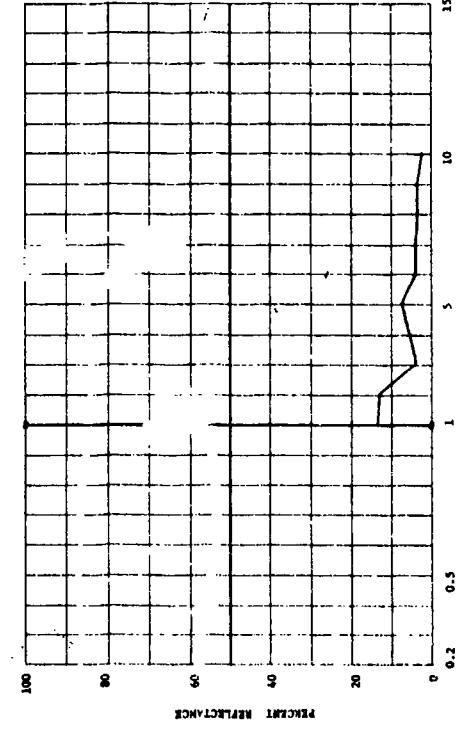
CONFIDENTIAL

AAKA 4

* R13501-042 Uniform Fabric, Wool Flannel, Olive Drab, Medium Cloth Wave. (CONFIDENTIAL)

SUBJECT CODES	
AMA	ECON
CRC	CBD
DIA	DEC
DIAA	DCG
DIAE	DOC
DOCS	EDC
DOCC	EDD
DOCE	EDG

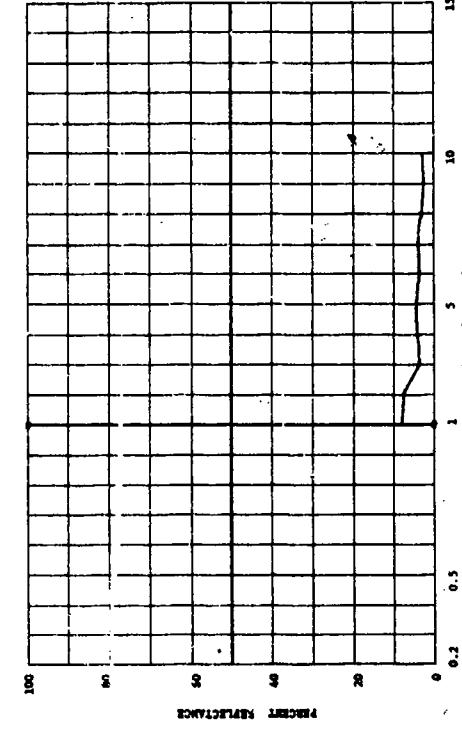
PARAMETER INFORMATION
DATEP- 55 TIME-
DAYS- 10⁰⁰ 10⁰⁰
OEST-
TEMP-
TEMP-
DEP PT-



* R13501-044 Uniform Fabric, Cotton Twill Cloth, Medium Cloth Wave. (CONFIDENTIAL)

SUBJECT CODES	
AMA	ECON
CRC	CBD
DIA	DEC
DIAA	DCG
DIAE	DOC
DOCS	EDC
DOCC	EDD
DOCE	EDG

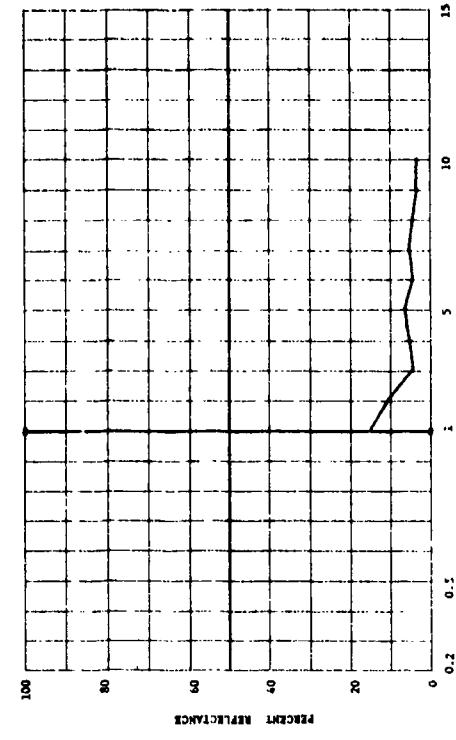
PARAMETER INFORMATION
DATEP- 55 TIME-
DAYS- 10⁰⁰ 10⁰⁰
OEST-
TEMP-
TEMP-
DEP PT-



* R13501-043 Uniform Fabric, Wool Serge, Blue, Medium Cloth Wave. (CONFIDENTIAL)

SUBJECT CODES	
AMA	ECON
CRC	CBD
DIA	DEC
DIAA	DCG
DIAE	DOC
DOCS	EDC
DOCC	EDD
DOCE	EDG

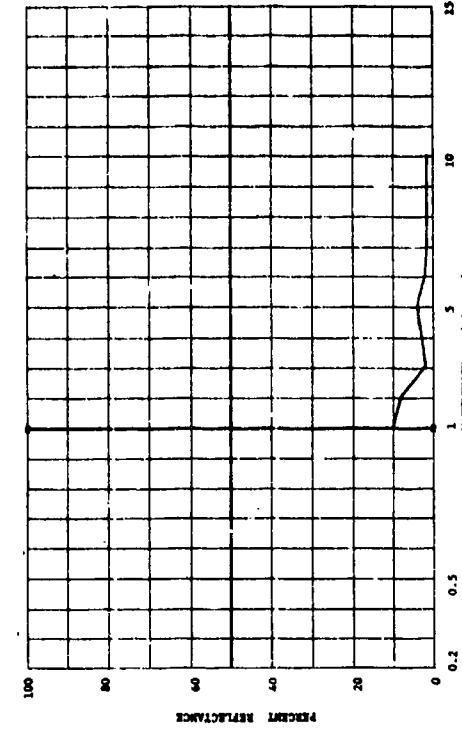
PARAMETER INFORMATION
DATEP- 55 TIME-
DAYS- 10⁰⁰ 10⁰⁰
OEST-
TEMP-
TEMP-
DEP PT-



* R13501-045 Uniform Fabric, Worsted Tropical Cloth, Medium Cloth Wave. (CONFIDENTIAL)

SUBJECT CODES	
AMA	ECON
CRC	CBD
DIA	DEC
DIAA	DCG
DIAE	DOC
DOCS	EDC
DOCC	EDD
DOCE	EDG

PARAMETER INFORMATION
DATEP- 55 TIME-
DAYS- 10⁰⁰ 10⁰⁰
OEST-
TEMP-
TEMP-
DEP PT-



CONFIDENTIAL

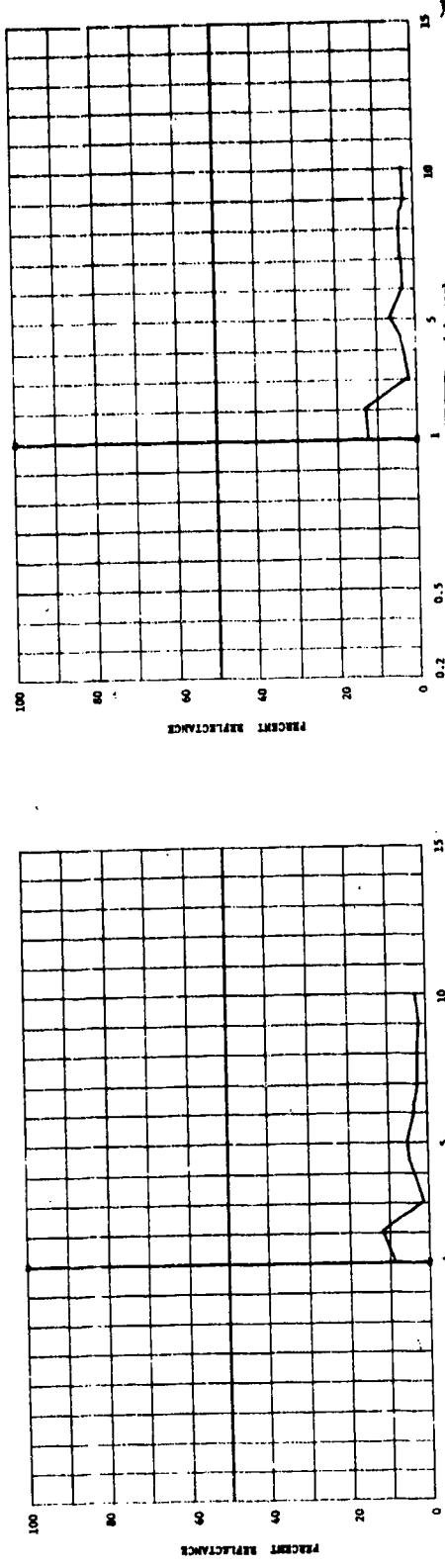
CONFIDENTIAL

AAA 8

• 813501-006 Dullom Fabric, Cotton, Martingame, Olive Drab, Medium Cloth
Fabric. (CONFIDENTIAL)

• 813501-007 Dullom Fabric, Poplin, Blue, Medium Cloth. Name. (CONFIDENTIAL)

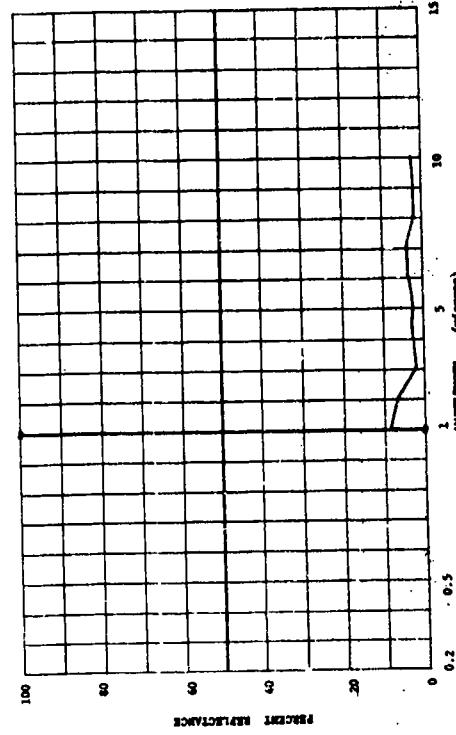
SUBJECT CODES											
AAA	BBBAA	CDC	CDC	DDA	DDA	DDC	DDC	DDD	DDD	DDD	DDD
EECC											
PARAMETER INFORMATION											
DATE-	55	TIME-	150	LAT-	55	TEMP-	150	LAT-	55	TEMP-	150
DATE-	120	TIME-	120	LAT-	120	TEMP-	120	LAT-	120	TEMP-	120
DDAY-	120	DDH-	120	DDM-	120	DDY-	120	DDM-	120	DDY-	120
DDT-	120	DDU-	120	DDV-	120	DDW-	120	DDU-	120	DDV-	120
DDZ-	120	DDA-	120	DDB-	120	DDC-	120	DDA-	120	DDB-	120
DDP-	120	DDQ-	120	DDR-	120	DDS-	120	DDP-	120	DDQ-	120
DDT-	120	DDU-	120	DDV-	120	DDW-	120	DDT-	120	DDU-	120
DDZ-	120	DDA-	120	DDB-	120	DDC-	120	DDA-	120	DDB-	120



• 813501-008 Dullom Fabric, Woveted Tropical Blue Yarn, Blue, Medium Cloth. Name. (CONFIDENTIAL)

• 814001-004 Black Cloth. (CONFIDENTIAL)

SUBJECT CODES											
AAA	BBBAA	CDC	CDC	DDA	DDA	DDC	DDC	DDD	DDD	DDD	DDD
EECC											
PARAMETER INFORMATION											
DATE-	55	TIME-	150	LAT-	55	TEMP-	150	LAT-	55	TEMP-	150
DATE-	120	TIME-	120	LAT-	120	TEMP-	120	LAT-	120	TEMP-	120
DDAY-	120	DDH-	120	DDM-	120	DDY-	120	DDM-	120	DDY-	120
DDT-	120	DDU-	120	DDV-	120	DDW-	120	DDU-	120	DDV-	120
DDZ-	120	DDA-	120	DDB-	120	DDC-	120	DDA-	120	DDB-	120
DDP-	120	DDQ-	120	DDR-	120	DDS-	120	DDP-	120	DDQ-	120
DDT-	120	DDU-	120	DDV-	120	DDW-	120	DDT-	120	DDU-	120
DDZ-	120	DDA-	120	DDB-	120	DDC-	120	DDA-	120	DDB-	120



CONFIDENTIAL

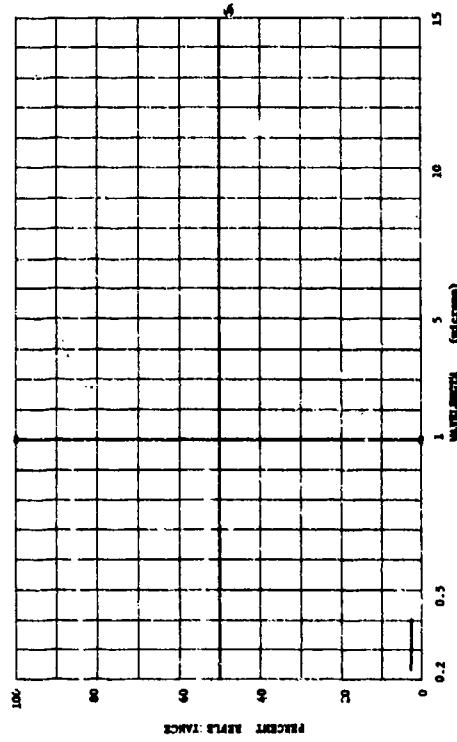
CONFIDENTIAL

AAMA 6

• 11-004-007

Black Jack. (CONFIDENTIAL)

SUBJECY CODES
AMA EMAI CDC CED DNA DND DK PLAC ECAD
PARAMETER INFORMATION
DATA-
BATES-
DATE-
TIME-
NAME-
P/C-
WIND SP-
H AVE-1



CONFIDENTIAL

AEA
TARGET MATERIALS
Aluminum

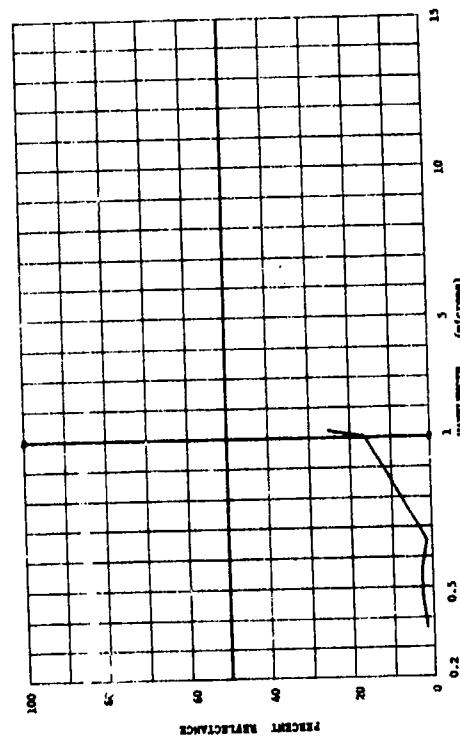
AEB
TARGET MATERIALS
Asphalt

SECRET

AER 1

• N 3946-008 Asphalt, Smooth, Dry. (SECRET)

SALINITY CONC.		DIA.		DPC		E%		EOL		ES		ECA	
AB	C	CD	CD	DA	DA	DE	DE	ED	ED	ES	ES	EC	EC
PARAMETER INFORMATION													
DAMP-	0.4		0.4	0.4		0.4		0.4		0.4		0.4	
WATER	0.4		0.4	0.4		0.4		0.4		0.4		0.4	
GRAN-	0.4		0.4	0.4		0.4		0.4		0.4		0.4	
THICK-	0.4		0.4	0.4		0.4		0.4		0.4		0.4	
NESS	0.4		0.4	0.4		0.4		0.4		0.4		0.4	



SECRET

AEC
TARGET MATERIALS
Brick

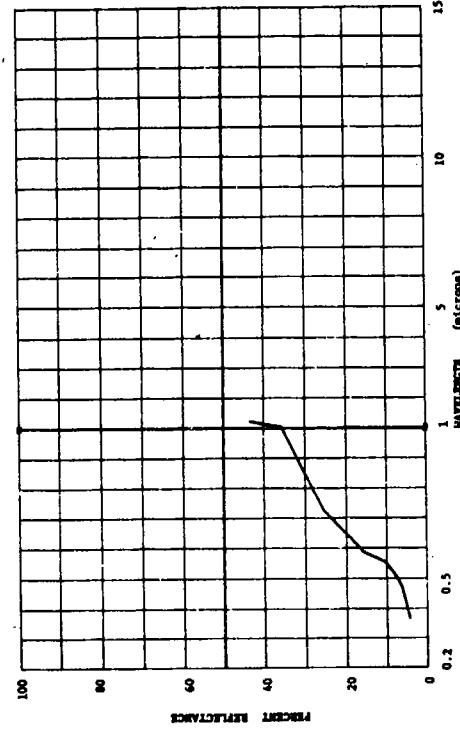
SECRET

ABC 1

• B13944-01 Light and Bright, Dry. (SECRET)

STRUCT COORD
ARC ECRAN CD DPA DPC ROAD RDR DCA

PARAMETER INFORMATION
DATE- 64 TIME-
DATE RE- 1000
GDT- 1000
TEMP- 1
DNR PT-



SECRET

AEG
TARGET MATERIALS
Concrete

SECRET

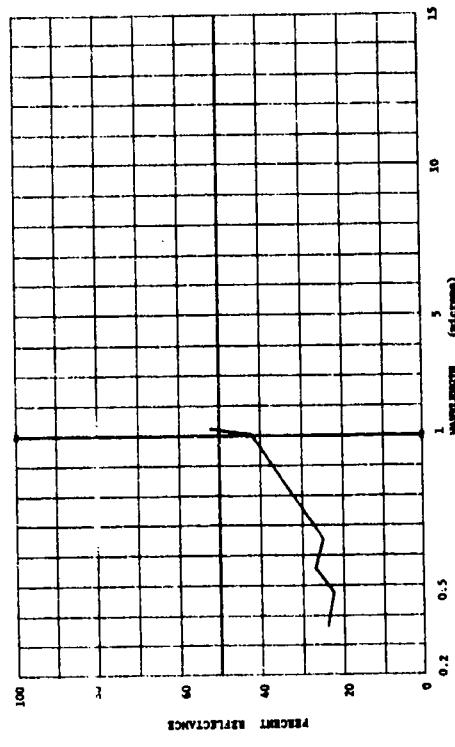
ABO 1

* SI4004-014

Smooth Dry Concrete No. 1. (CONFIDENTIAL)

SUBJECT CODES	AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB
AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB	

PARAMETER INFORMATION
DATE: 44 TIME: 14:00:00
DATE UP: 14:00:00
DATE SP: 14:00:00
TIME UP: 14:00:00
TIME SP: 14:00:00

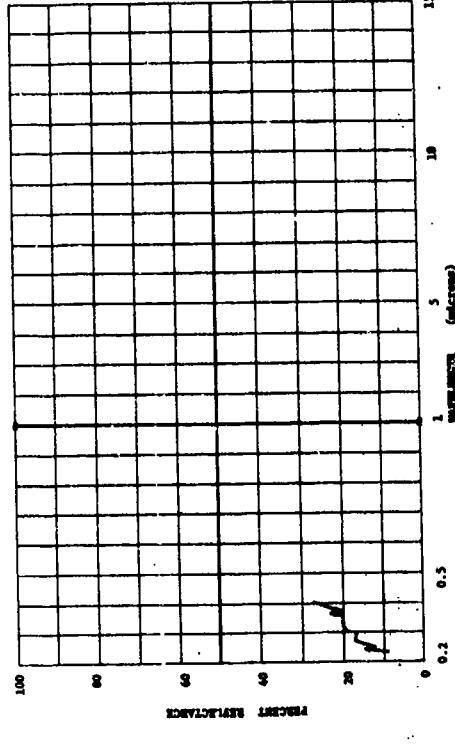


* SI4004-014

Smooth Dry Concrete No. 2. (CONFIDENTIAL)

SUBJECT CODES	AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB
AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB	

PARAMETER INFORMATION
DATE: 44 TIME: 14:00:00
DATE UP: 14:00:00
DATE SP: 14:00:00
TIME UP: 14:00:00
TIME SP: 14:00:00

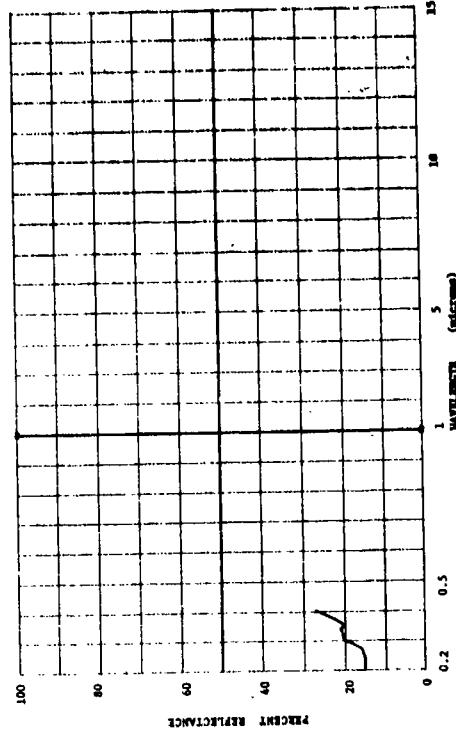


* SI4004-013

Smooth Dry Concrete No. 1. (CONFIDENTIAL)

SUBJECT CODES	AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB
AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB	

PARAMETER INFORMATION
DATE: 44 TIME: 14:00:00
DATE UP: 14:00:00
DATE SP: 14:00:00
TIME UP: 14:00:00
TIME SP: 14:00:00

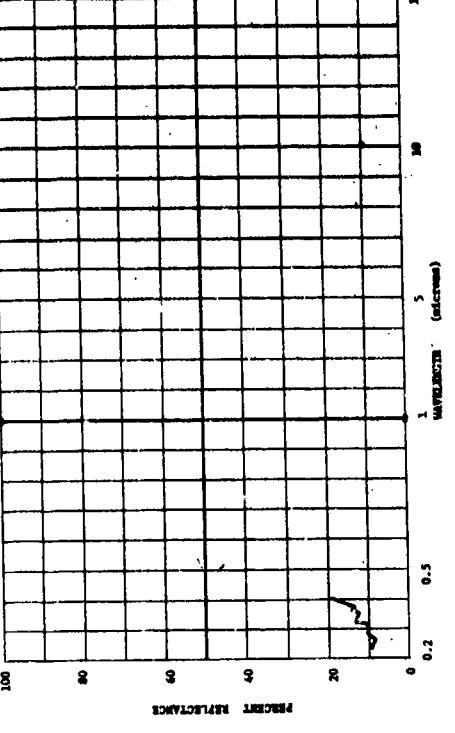


* SI4004-013

Smooth Dry Concrete No. 1. (CONFIDENTIAL)

SUBJECT CODES	AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB
AMC	CD	DFA	DFC	DE	EDL	EDS	ECAC	ECB	

PARAMETER INFORMATION
DATE: 44 TIME: 14:00:00
DATE UP: 14:00:00
DATE SP: 14:00:00
TIME UP: 14:00:00
TIME SP: 14:00:00



SECRET

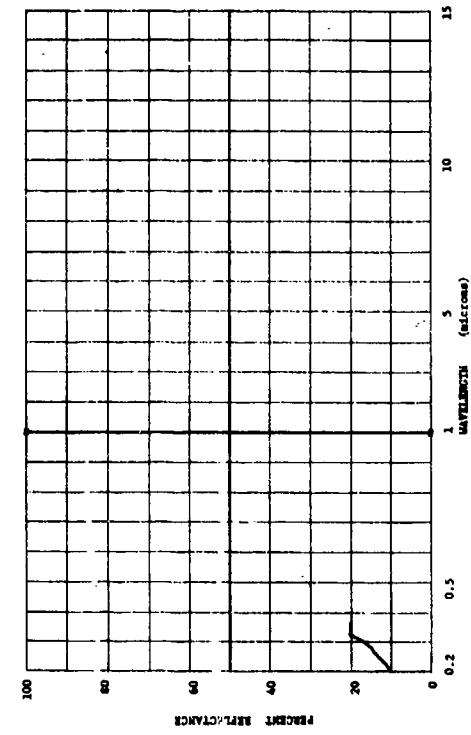
CONFIDENTIAL

ABG 2

*BLA004-017 Very Hot Concrete. (CONFIDENTIAL)

SUBJECT CODES
ABC CIC CID DFAA DFDG DK ECAC EAD

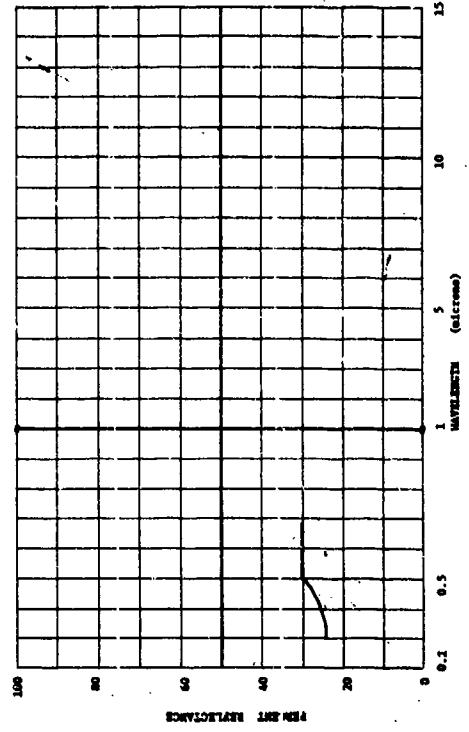
PARAMETER INFORMATION
DATE= 64 TIME=
DATE SP= 12H
CITY= TURIN
TEMP= 35°C
WIND SP= 1
WIND DIR= N AVP= 1



*BLA004-017 Concrete Sample Number 1. (CONFIDENTIAL)

SUBJECT CODES
ABC CD DFA DFDG DK EAD ECA

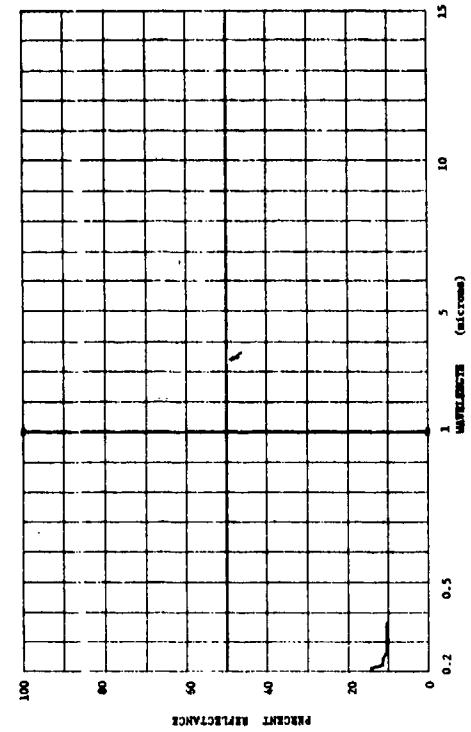
PARAMETER INFORMATION
DATE= 64 TIME=
DATE SP= 12H
CITY= TURIN
TEMP= 35°C
WIND SP= 1
WIND DIR= N AVP= 1



*BLA004-018 Very Hot Concrete. (CONFIDENTIAL)

SUBJECT CODES
ABC CIC CID DFAA DFDG DK ECAC EAD

PARAMETER INFORMATION
DATE= 64 TIME=
DATE SP= 12H
CITY= TURIN
TEMP= 35°C
WIND SP= 1
WIND DIR= N AVP= 1



*BLA004-018 Concrete Sample Number 1. (CONFIDENTIAL)

SUBJECT CODES
ABC CD DFA DFDG DK EAD ECA

PARAMETER INFORMATION
DATE= 64 TIME=
DATE SP= 12H
CITY= TURIN
TEMP= 35°C
WIND SP= 1
WIND DIR= N AVP= 1



CONFIDENTIAL

AEH
TARGET MATERIALS
Dirt

SECRET

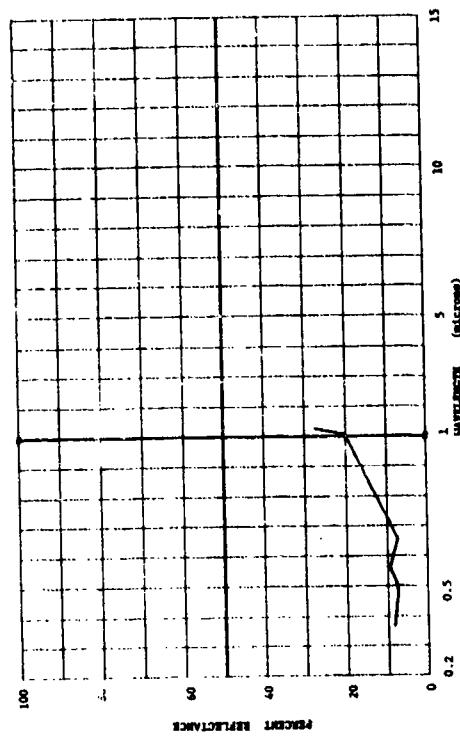
AMM 1

• 813944-005 Read DATE, Dry. (SECRET)

SUBJECT CODE	CD	DIA	DTC	DE	ED	EDC	EDS	EDX	EDY	EDZ
ABN	ECHNE									

PARAMETER INFORMATION

DATE	64	TIME	
DATA 10:	120	1200	
DATA 11:	120	1200	
DATA 12:	120	1200	
TIME			



SECRET

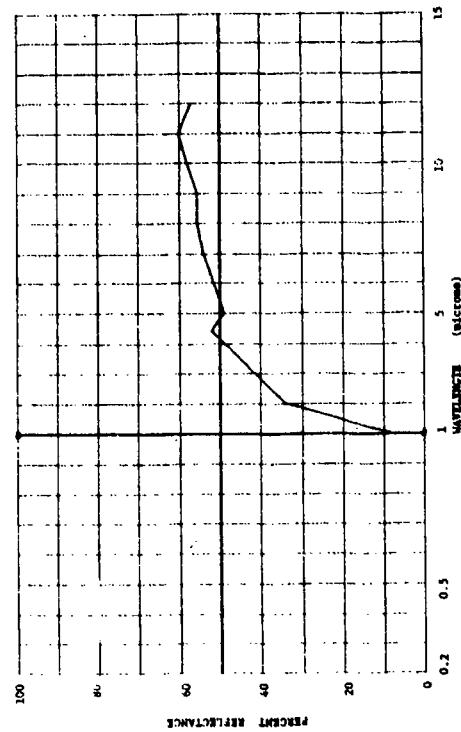
AEI
TARGET MATERIALS
Galvanized Steel

CONFIDENTIAL

AER

• B13501-08 Galvanized Steel, Silver-Core, on Hail Scale, Specular. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION							
AEI	CDC	CDG	DFAA	DMC	ECCA	ECCE	ECOC	ECOD	ECOE
					LAT ⁿ	LONG ⁿ	ALT ⁿ	RANGE ⁿ	TIME ⁿ
					TAU ⁿ	CH ⁿ	CLIN ⁿ	VIS ⁿ	VIS ⁿ
					WIND SP ⁿ	WIND DIR ⁿ			
					DIR ⁿ	APT ⁿ			



CONFIDENTIAL

AEL
TARGET MATERIALS
Metal

CONFIDENTIAL

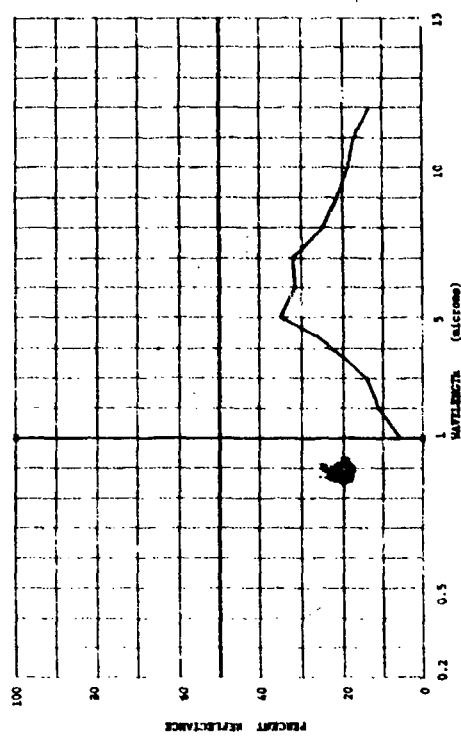
ASL 1

ՀԱՅ ՏԻՎՆ ՇԱՀԱԳԱՐ, ՏԻՎՆ, ՀԵՏԵ. (ՀԿԴՀՀՄԴՀԱ)

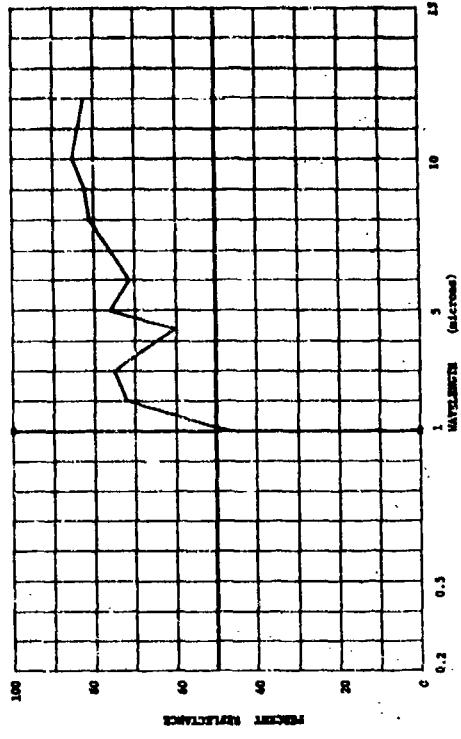
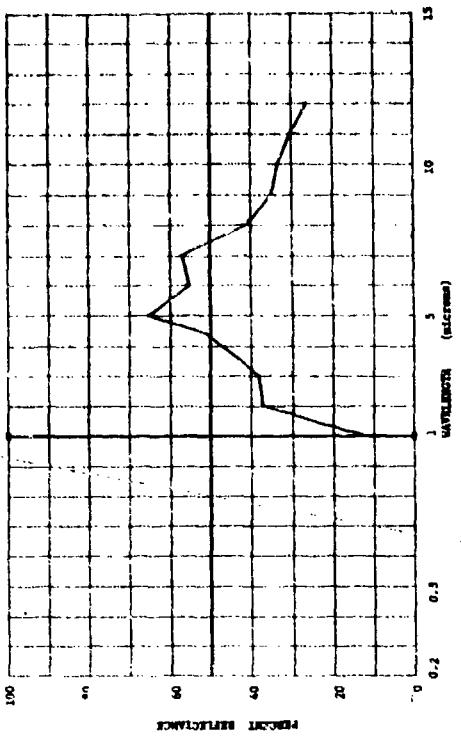
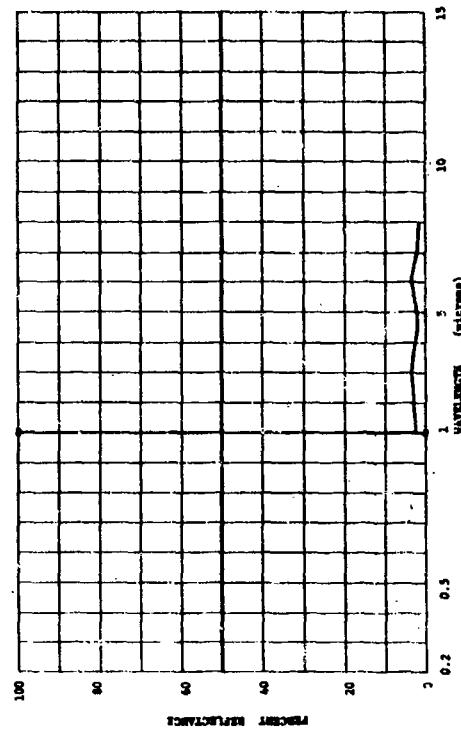
• M11391-09
Sustained stillness; Gray, Metz. (cont'd)

• B1901-09
Strategic Steel Division, Grey, N.Y. (CONFIDENTIAL)

SUBJECT CODES	AEL	LCBMA	CDC	CCD	DRAA	DNC	ECLA	ECOR
FC-100								
PALM-PIPER INFORMATION								
	DATE:	55	TIDE:	LAT:	LAT:	LONG:	LONG:	
	DATA RE-	1hr	TIME:	LAT:	TIME:	CDE:	CDE:	
	ONST:	THRU:	TIME:	WIND SP:	WIND SP:	WIND DIR:	WIND DIR:	
	TEMP:	THRU:	PT:	Y	Y	Y	Y	



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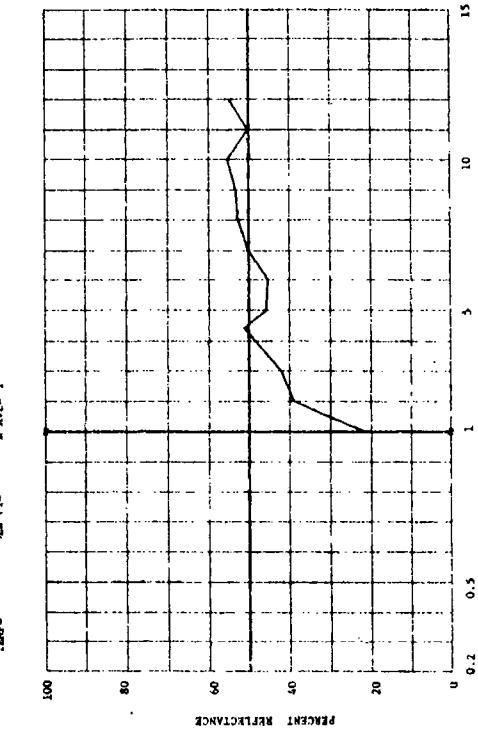


SECRET

AEL 2

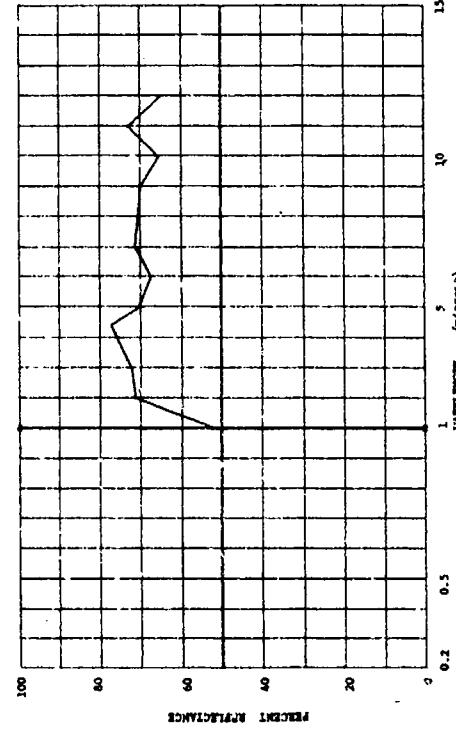
• E-3501-042 Stainless Steel Polished Silver, Specular. (CONFIDENTIAL)

SUBJECT CODES	AEL	CDC	CD	DFAA	DNG	ECCA	ECB	ECCE	ECDD	ECCE	ECCE
PARAMETER INFORMATION	DATE- 55 TIME- 14h LATS- 40° LONG- 045° WIND SP- N AVE- 1	LAT- 14h LONG- 045° WIND SP- N AVE- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	



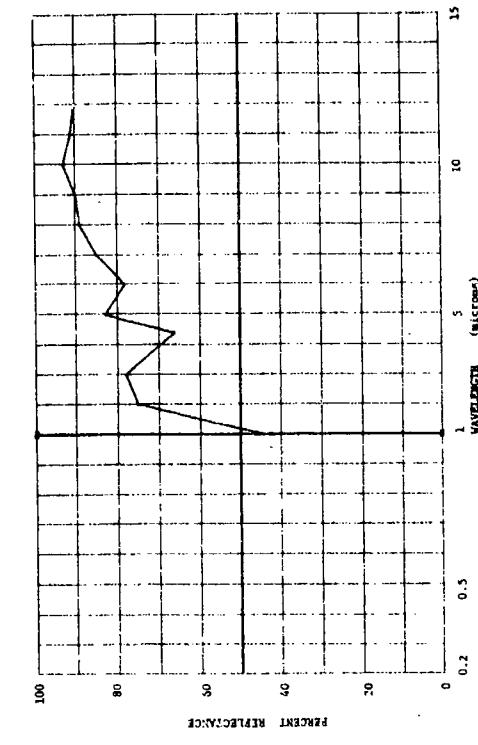
• E-3501-044 Chrom Plate, Silver, On Mild Steel, Specular. (CONFIDENTIAL)

SUBJECT CODES	AEL	CDC	CD	DFAA	DNG	ECCA	ECB	ECCE	ECDD	ECCE	ECCE
PARAMETER INFORMATION	DATE- 55 TIME- 14h LATS- 40° LONG- 045° WIND SP- N AVE- 1	LAT- 14h LONG- 045° WIND SP- N AVE- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	



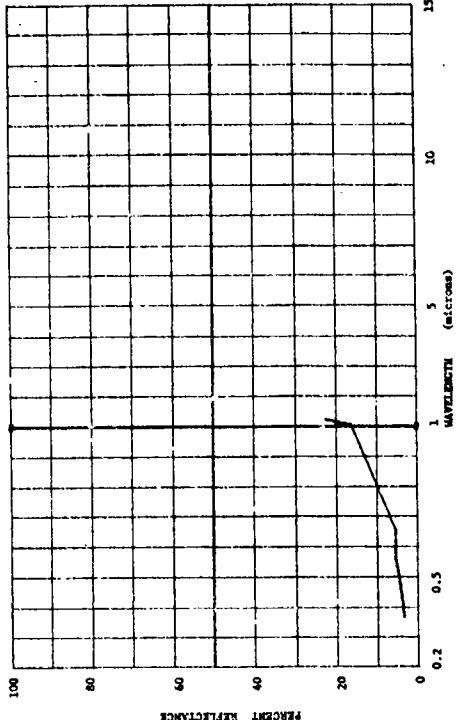
• E-3501-043 Tin Plate, Silver, On Mild Steel, Specular. (CONFIDENTIAL)

SUBJECT CODES	AEL	CDC	CD	DFAA	DNG	ECCA	ECB	ECCE	ECDD	ECCE	ECCE
PARAMETER INFORMATION	DATE- 55 TIME- 14h LATS- 40° LONG- 045° WIND SP- N AVE- 1	LAT- 14h LONG- 045° WIND SP- N AVE- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	



• E-3504-006 Weathered Steel, Dry. (SECRET)

SUBJECT CODES	AEL	CDC	CD	DFAA	DNG	ECCA	ECB	ECCE	ECDD	ECCE	ECCE
PARAMETER INFORMATION	DATE- 64 TIME- 14h LATS- 40° LONG- 045° WIND SP- N AVE- 1	LAT- 14h LONG- 045° WIND SP- N AVE- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	RANGE- 10m TEM- VTS- 1	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	ALT- 10m CLD- CLD	



SECRET

CONFIDENTIAL

ABE 3

* 814004-003 Rusty Iron. (CONFIDENTIAL)

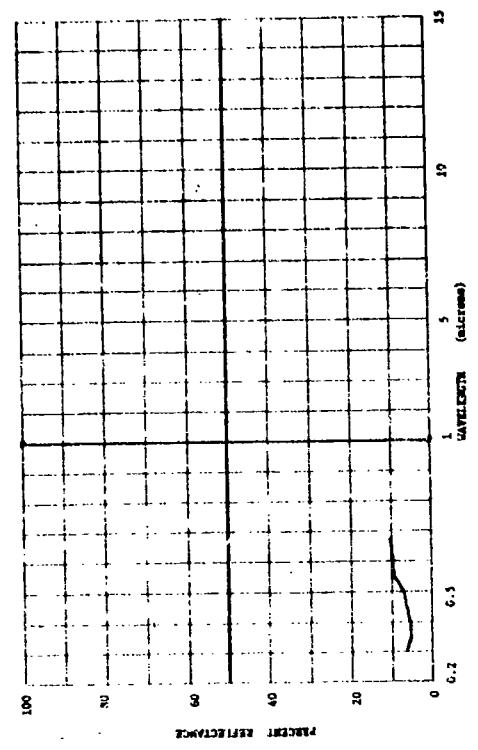
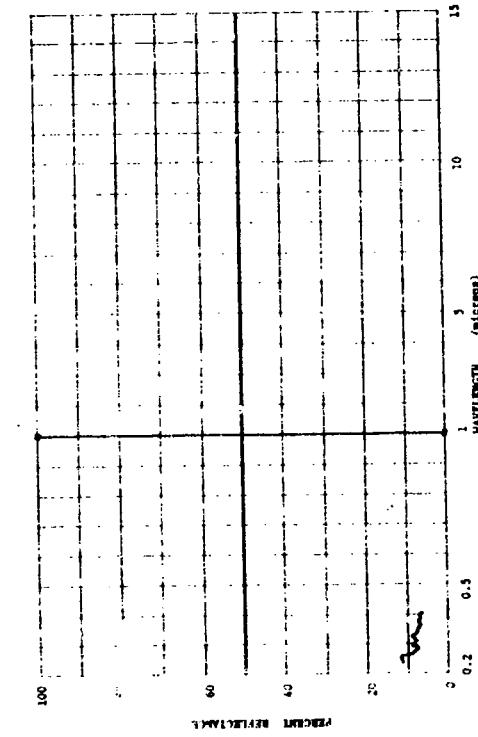
* 814004-059 Rusty Iron. (CONFIDENTIAL)

SUBJECT CODES

ALL CIC CED DIAA DFCD UN ECAC ECAO

PARAMETER INFORMATION
DATE: 6th TIME: 14⁰⁰
DATE IMP: TEMP: 55°F
DATE: TEMP: 55°F
TIME: 25 FT:

RANGE: 100° F
LAT: 30° N
LONG: 100° E
ALT: 1000 ft
CASA: C
CLAS: C



CONFIDENTIAL

AEM
TARGET MATERIALS
Paint

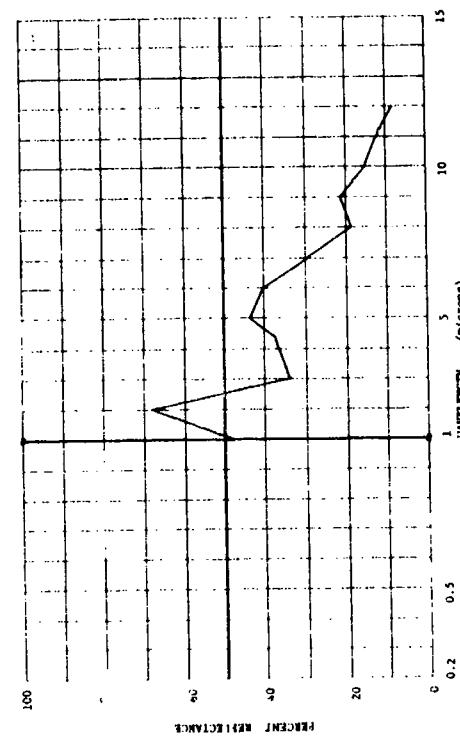
CONFIDENTIAL

AEM 1

• B13501-013 Zinc Chromate Lacquer, Yellow, On Mild Steel, Full Gloss. (CONFIDENTIAL)

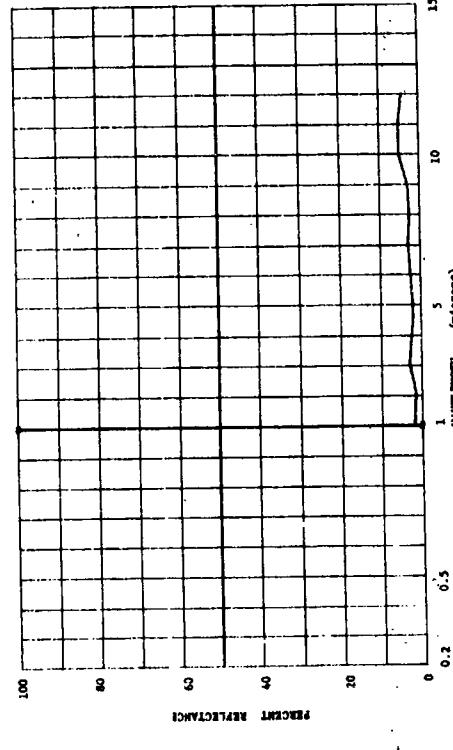
• B13501-016 Flat Zapon Lacquer, Black, On Mild Steel, Flat. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION		SUBJECT CODES		PARAMETER INFORMATION	
ABN	ECLBL	DATE	TIME	ABN	ECLBL	DATE	TIME
ECBL	AEI	DAY	HR	AEI	CDC	DAY	HR
ECCE	ECCE	MONTH	MIN	ECCE	DFAA	MONTH	MIN
		YEAR	SEC		ECCE	ONST	SPN
		TEMP			ECCE	TEMP	
		RH			ECCE	WIND	
		WIND DIR			ECCE	CLD	
		N			ECCE	VIS	
		LAT= 45° LNG= 75° WIND SPN= N WIND DIR= N WIND CLD= N WIND VIS= 1				LAT= 45° LNG= 75° WIND SPN= N WIND DIR= N WIND CLD= N WIND VIS= 1	

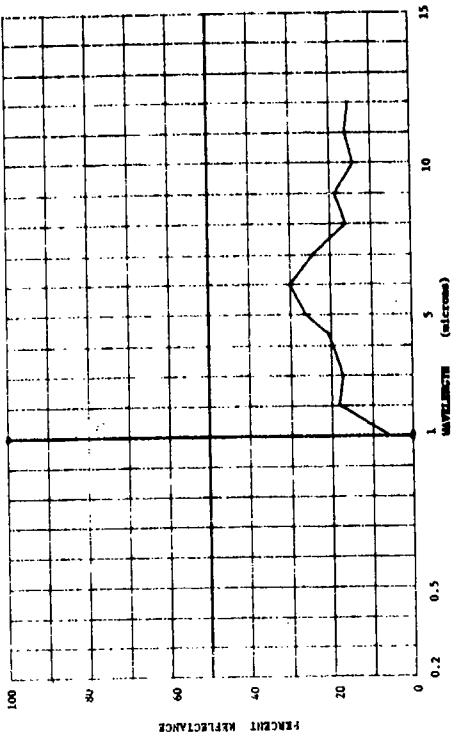


• B13501-017 Enamel, Black, On Mild Steel, Flat. (CONFIDENTIAL)

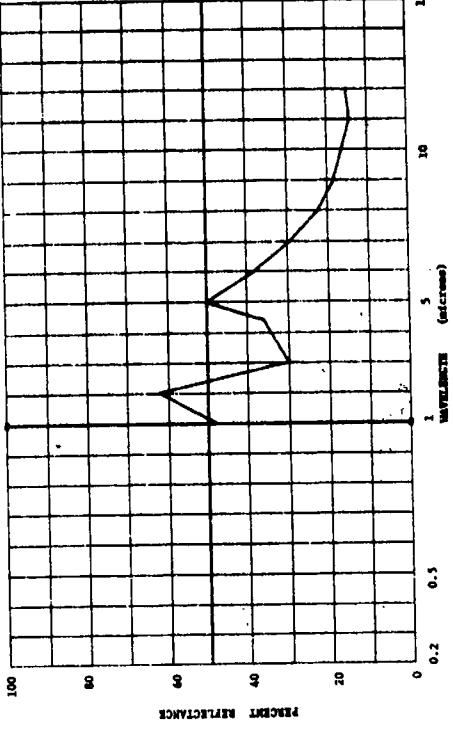
SUBJECT CODES		PARAMETER INFORMATION		SUBJECT CODES		PARAMETER INFORMATION	
ABN	ECLBL	DATE	TIME	ABN	ECLBL	DATE	TIME
ECBL	AEI	DAY	HR	AEI	CDC	DAY	HR
ECCE	ECCE	MONTH	MIN	ECCE	DFAA	MONTH	MIN
		YEAR	SEC		ECCE	ONST	SPN
		TEMP			ECCE	TEMP	
		RH			ECCE	WIND	
		WIND SPN			ECCE	CLD	
		WIND DIR			ECCE	VIS	
		N			ECCE	WIND	
		LAT= 45° LNG= 75° WIND SPN= N WIND DIR= N WIND CLD= N WIND VIS= 1				LAT= 45° LNG= 75° WIND SPN= N WIND DIR= N WIND CLD= N WIND VIS= 1	



• B13501-016 Flat Zapon Lacquer, Black, On Mild Steel, Flat. (CONFIDENTIAL)



SUBJECT CODES		PARAMETER INFORMATION		SUBJECT CODES		PARAMETER INFORMATION	
ABN	ECLBL	DATE	TIME	ABN	ECLBL	DATE	TIME
ECBL	AEI	DAY	HR	AEI	CDC	DAY	HR
ECCE	ECCE	MONTH	MIN	ECCE	DFAA	MONTH	MIN
		YEAR	SEC		ECCE	ONST	SPN
		TEMP			ECCE	TEMP	
		RH			ECCE	WIND	
		WIND SPN			ECCE	CLD	
		WIND DIR			ECCE	VIS	
		N			ECCE	WIND	
		LAT= 45° LNG= 75° WIND SPN= N WIND DIR= N WIND CLD= N WIND VIS= 1				LAT= 45° LNG= 75° WIND SPN= N WIND DIR= N WIND CLD= N WIND VIS= 1	



CONFIDENTIAL

CONFIDENTIAL

AEM 2

* B1384-008 Dirty Gray Truck Top. (CONFIDENTIAL)

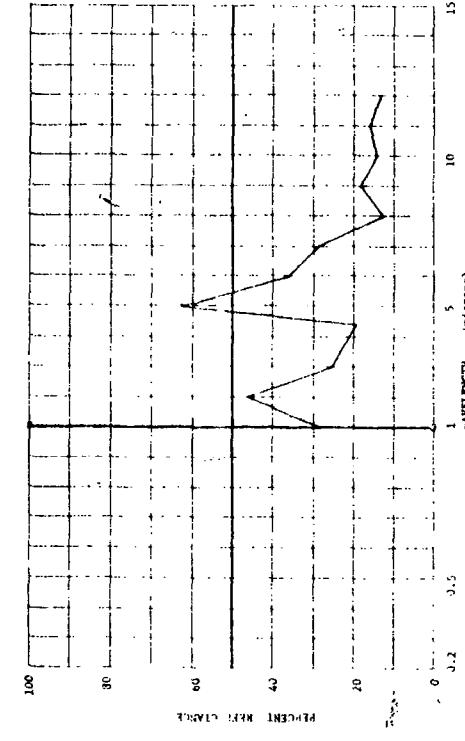
* B13801-037 Camo. Gray, On Solid Steel, Full Gloss. (CONFIDENTIAL)

* B1384-008 Dirty Gray Truck Top. (CONFIDENTIAL)

* B1384-017

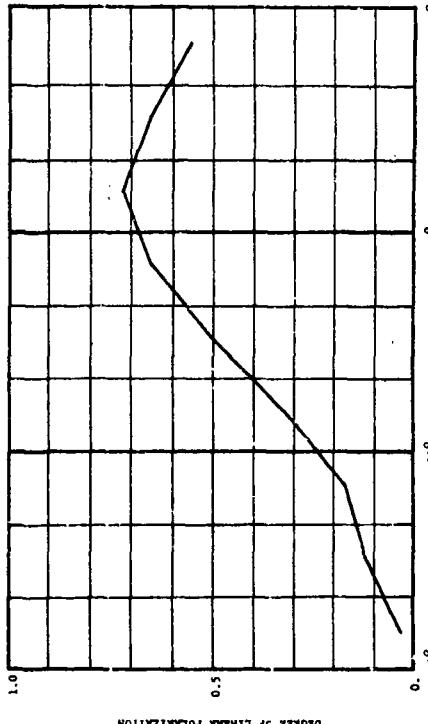
SUBJECT CODES AEM ELMK AFEL CDC CED DFMG DRG ECCA ECCB ECDC

PARAMETER INFORMATION DATE- TIME- LAT- LONG- ALT- RANGE-
DATS RE- 11w 1A2- C1N- C1E- IRK-
0811- TDRP- WIND SP- GND DI- CLD- V1S-
TDRP- DEM PT- N AVP- 1



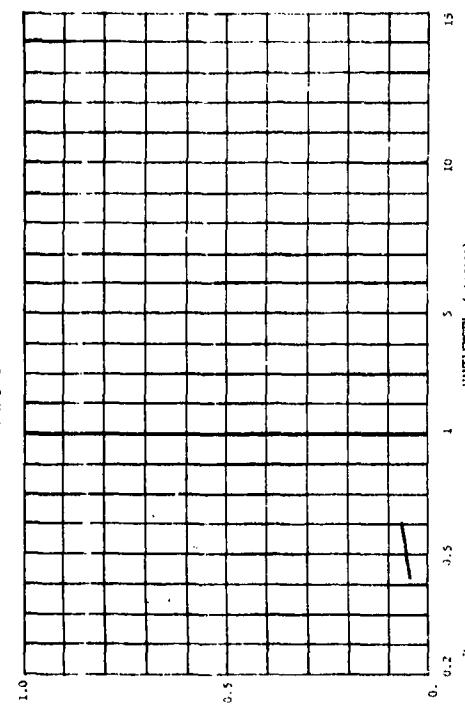
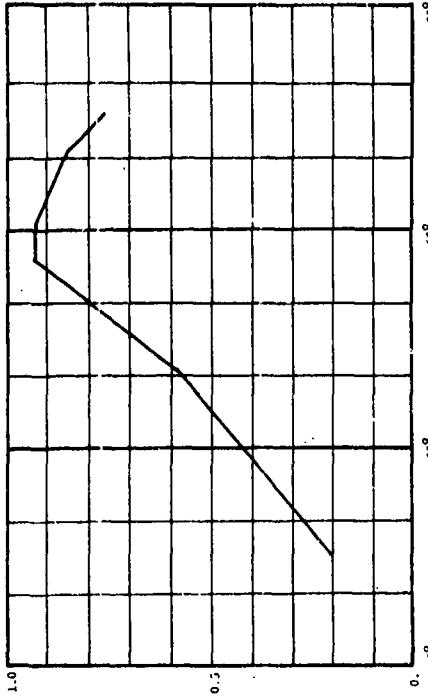
* B1384-019 Camouflage Brown Paint. (CONFIDENTIAL)

SUBJECT CODES AEM ELMK CED ON 0.4C JTC AF ECIS
PARAMETER INFORMATION DATE- TIME- LAT- LONG- ALT- RANGE-
DATS RE- 11w-60 1A2- C1N- C1E- IRK-
0811- TDRP- WIND SP- GND DI- CLD- V1S-
TDRP- DEM PT- N AVP- 1



* B1384-020 Flat Gray Paint Surfaces. (CONFIDENTIAL)

SUBJECT CODES AEM ELMK CED ON DFMG DFD DK ECIS
PARAMETER INFORMATION DATE- TIME- LAT- LONG- ALT- RANGE-
DATS RE- 11w-60 1A2- C1N- C1E- IRK-
0811- TDRP- WIND SP- GND DI- CLD- V1S-
TDRP- DEM PT- N AVP- 1



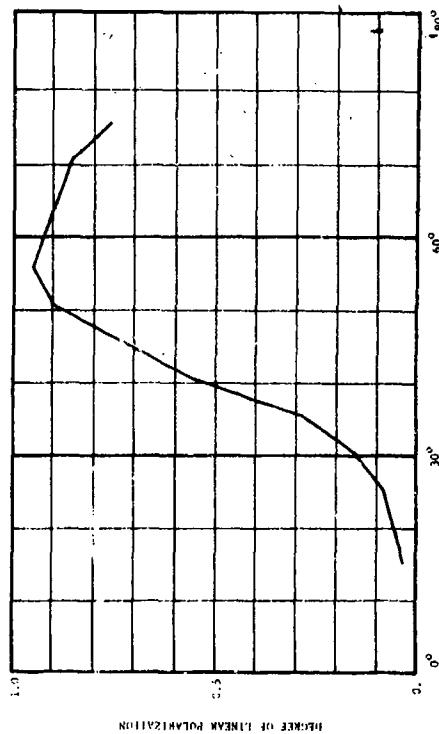
CONFIDENTIAL

ARM 3

*B1364-021 Flat Gray Paint Surfaces. (CONFIDENTIAL)

SUBJECT CODES
ADM ECRK CED CN DDMC DFD DK LCS

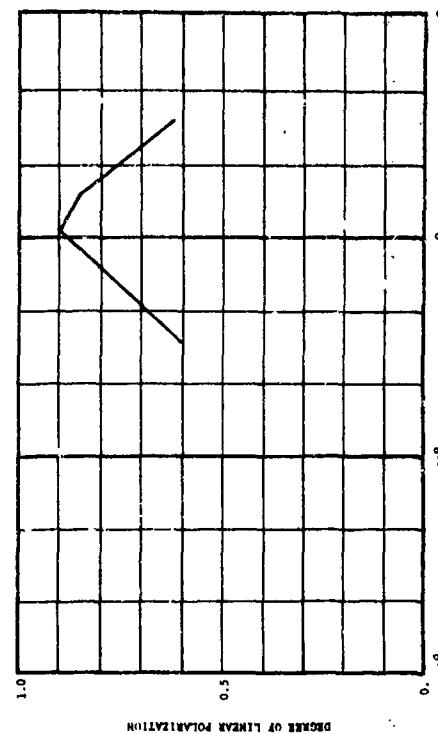
PARAMETER INFORMATION	TIME= 14:50
DATE= 1960-08-26	WIND SP= 0
DAY RE= 085	TEMP= 75° F
WIND DIR= N	ALT= 180
WIND VE= 0	CMD= 135
TEMP= 75° F	RANGE= 150
WIND DIR= N	VIS= 1.0
WIND VE= 0	LAND= 0
TEMP= 75° F	N AVE= 1



*B1364-023 Flat Gray Paint Surfaces. (CONFIDENTIAL)

SUBJECT CODES
ADM ECRK CED CN DDMC DFD DK LCS

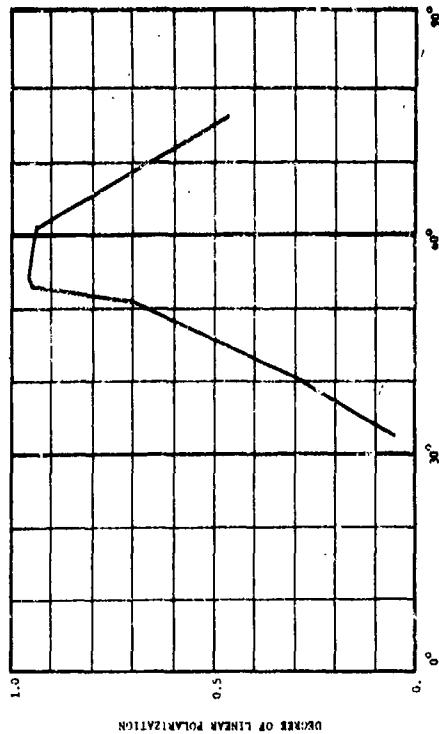
PARAMETER INFORMATION	TIME= 14:50
DATE= 1960-08-26	WIND SP= 0
DAY RE= 085	TEMP= 75° F
WIND DIR= N	ALT= 180
WIND VE= 0	CMD= 135
TEMP= 75° F	RANGE= 150
WIND DIR= N	VIS= 1.0
WIND VE= 0	LAND= 0
TEMP= 75° F	N AVE= 1



*B1364-022 Flat Gray Paint Surfaces. (CONFIDENTIAL)

SUBJECT CODES
ADM ECRK CED CN DDMC DFD DK LCS

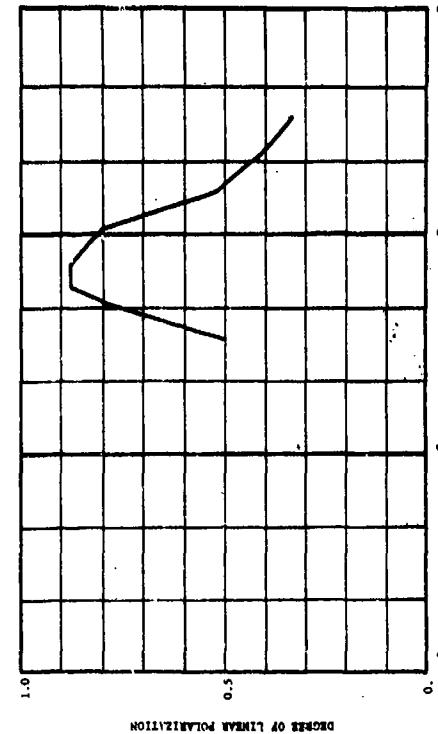
PARAMETER INFORMATION	TIME= 14:50
DATE= 1960-08-26	WIND SP= 0
DAY RE= 085	TEMP= 75° F
WIND DIR= N	ALT= 180
WIND VE= 0	CMD= 135
TEMP= 75° F	RANGE= 150
WIND DIR= N	VIS= 1.0
WIND VE= 0	LAND= 0
TEMP= 75° F	N AVE= 1



*B1364-024 Flat Gray Paint Surfaces. (CONFIDENTIAL)

SUBJECT CODES
ADM ECRK CED CN DDMC DFD DK LCS

PARAMETER INFORMATION	TIME= 14:50
DATE= 1960-08-26	WIND SP= 0
DAY RE= 085	TEMP= 75° F
WIND DIR= N	ALT= 180
WIND VE= 0	CMD= 135
TEMP= 75° F	RANGE= 150
WIND DIR= N	VIS= 1.0
WIND VE= 0	LAND= 0
TEMP= 75° F	N AVE= 1



CONFIDENTIAL

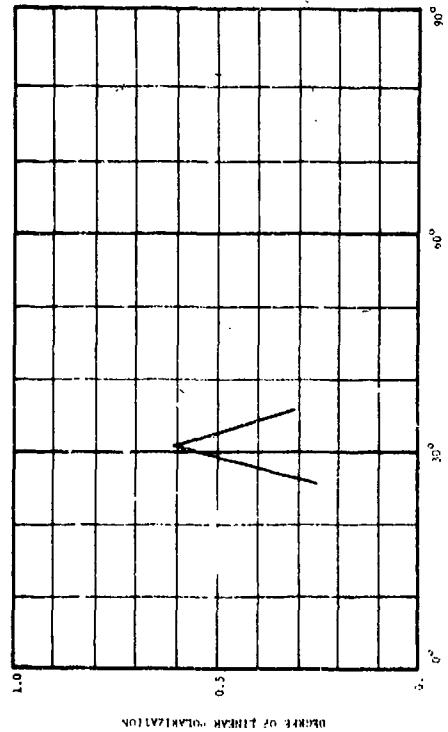
AEM 4

Flat Gray Paint. (CONFIDENTIAL)

*B1394-050

Flat Gray Paint. (CONFIDENTIAL)

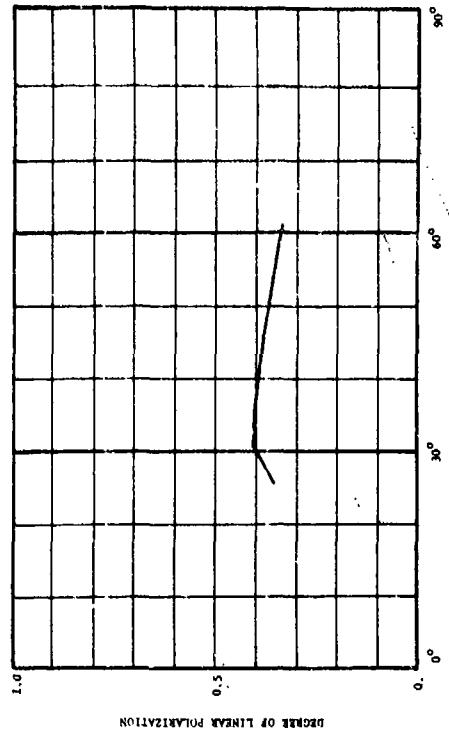
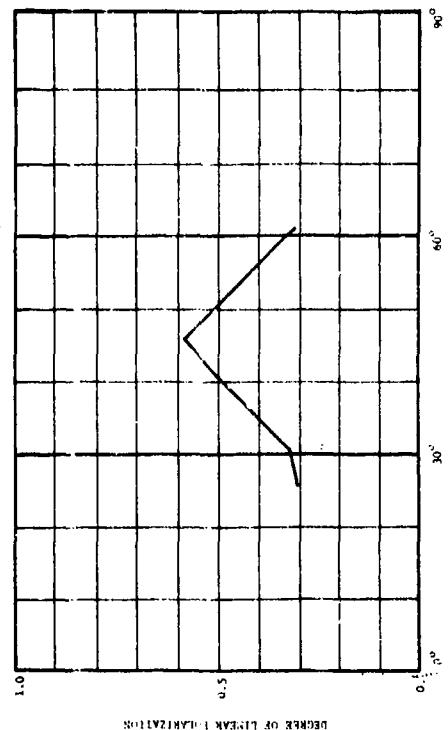
*B1394-051



*B1394-051 Flat Gray Paint. (CONFIDENTIAL)

*B1394-052

Flat Gray Paint. (CONFIDENTIAL)



CONFIDENTIAL

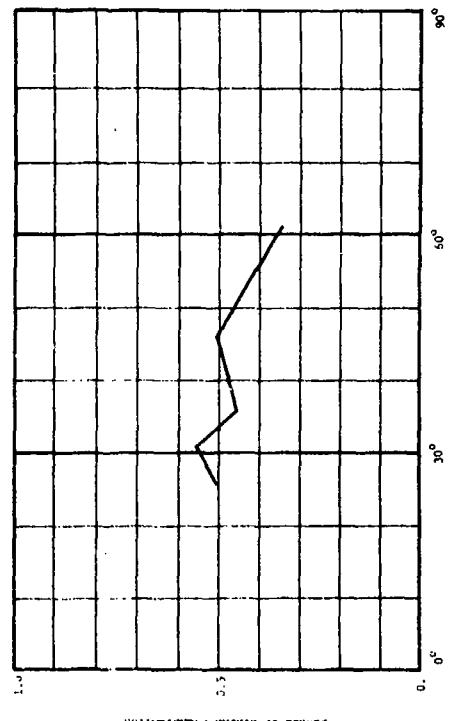
CONFIDENTIAL

ADM 6

* B1384-053

Flat Gray Palate. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION					
AEN	F.ANK	CED	CH	DIBC	DFD	DK	ECB
LAT°	TAZ°	LONG°	CR°	ALT°	CAP°	RANGE°	
DATE	TIME	WIND	DIR	THR	CLB	VIS°	
DAY'S RE	TEMP	SP	N	AVG	DIS		
OBS*	TEMP						
DEW PT*							
TEMP*							



* B1384-055

Flat Gray Palate. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION					
AEN	F.ANK	CED	CH	DIBC	DFD	DK	ECB
LAT°	TAZ°	LONG°	CR°	ALT°	CAP°	RANGE°	
DATE	TIME	WIND	DIR	THR	CLB	VIS°	
DAY'S RE	TEMP	SP	N	AVG	DIS		
OBS*	TEMP						
DEW PT*							
TEMP*							

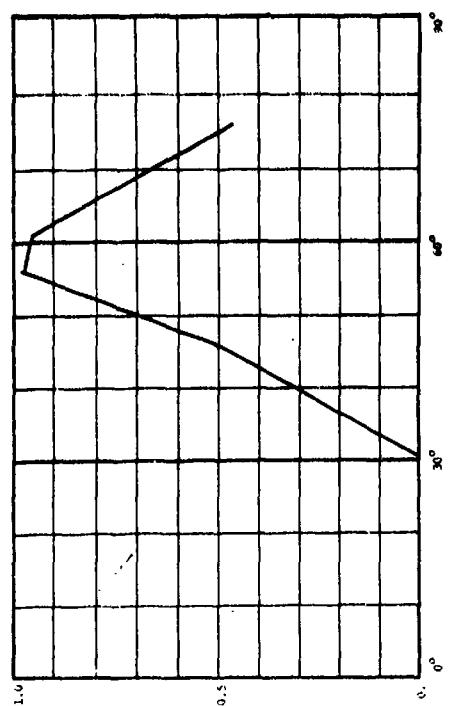
Degrees of Linear Polarization

Observation Angle (°)	Degree of Linear Polarization (Series 1)	Degree of Linear Polarization (Series 2)
0	0.0	0.5
30	0.1	0.4
60	0.2	0.3
90	0.5	0.0

* B1384-054

Flat Gray Palate. (CONFIDENTIAL)

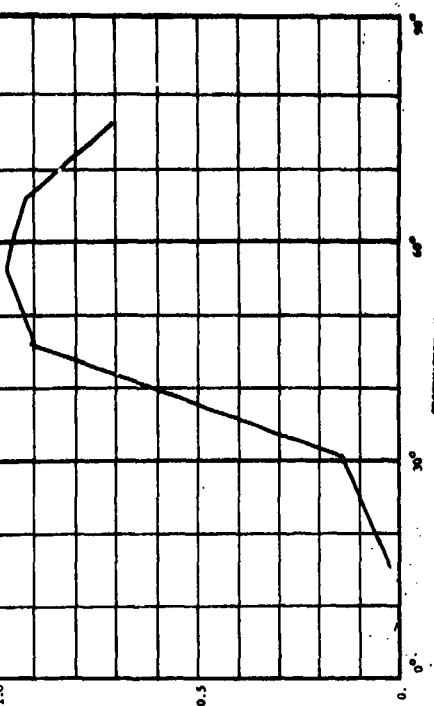
SUBJECT CODES		PARAMETER INFORMATION					
AEN	F.ANK	CED	CH	DIBC	DFD	DK	ECB
LAT°	TAZ°	LONG°	CR°	ALT°	CAP°	RANGE°	
DATE	TIME	WIND	DIR	THR	CLB	VIS°	
DAY'S RE	TEMP	SP	N	AVG	DIS		
OBS*	TEMP						
DEW PT*							
TEMP*							



* B1384-056

Flat Gray Palate. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION					
AEN	F.ANK	CED	CH	DIBC	DFD	DK	ECB
LAT°	TAZ°	LONG°	CR°	ALT°	CAP°	RANGE°	
DATE	TIME	WIND	DIR	THR	CLB	VIS°	
DAY'S RE	TEMP	SP	N	AVG	DIS		
OBS*	TEMP						
DEW PT*							
TEMP*							



CONFIDENTIAL

CONFIDENTIAL

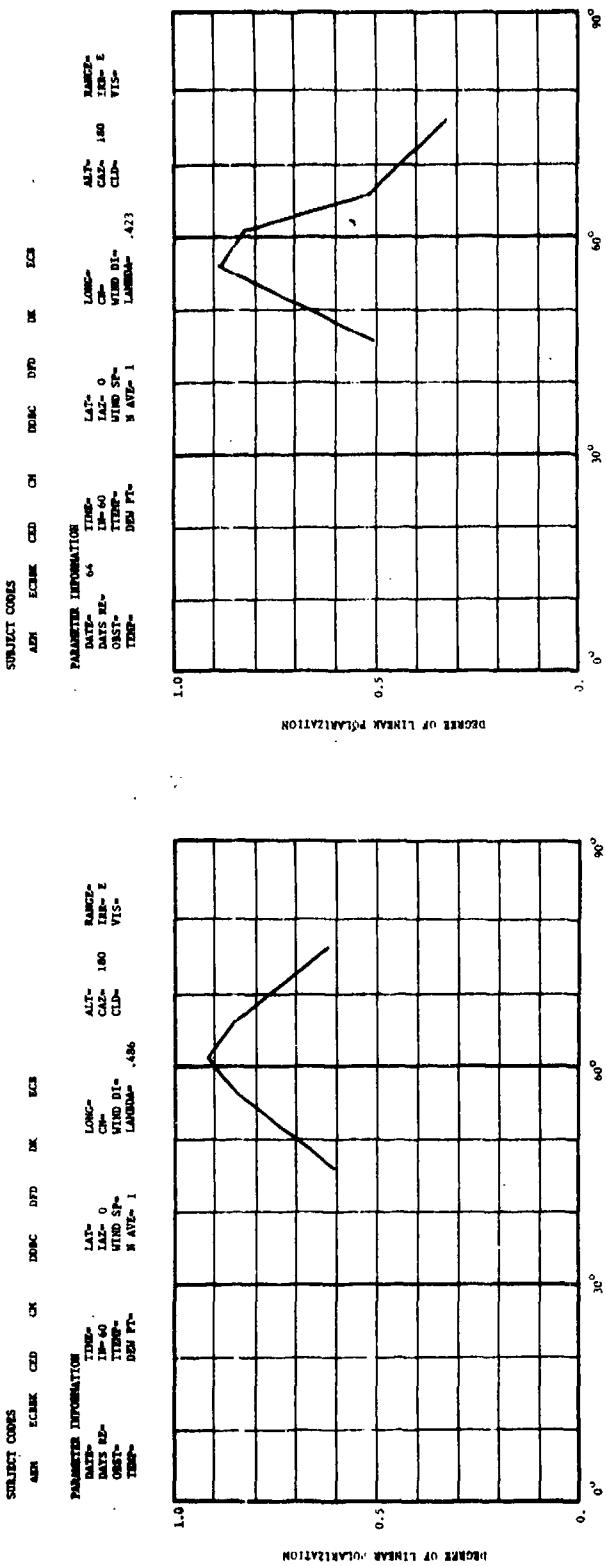
AEM 6

*81364-057 Flat Gray Paint. (CONFIDENTIAL)

*81364-057 Flat Gray Paint. (CONFIDENTIAL)

*81364-058 Flat Gray Paint. (CONFIDENTIAL)

*81364-060 Flat Gray Paint. (CONFIDENTIAL)

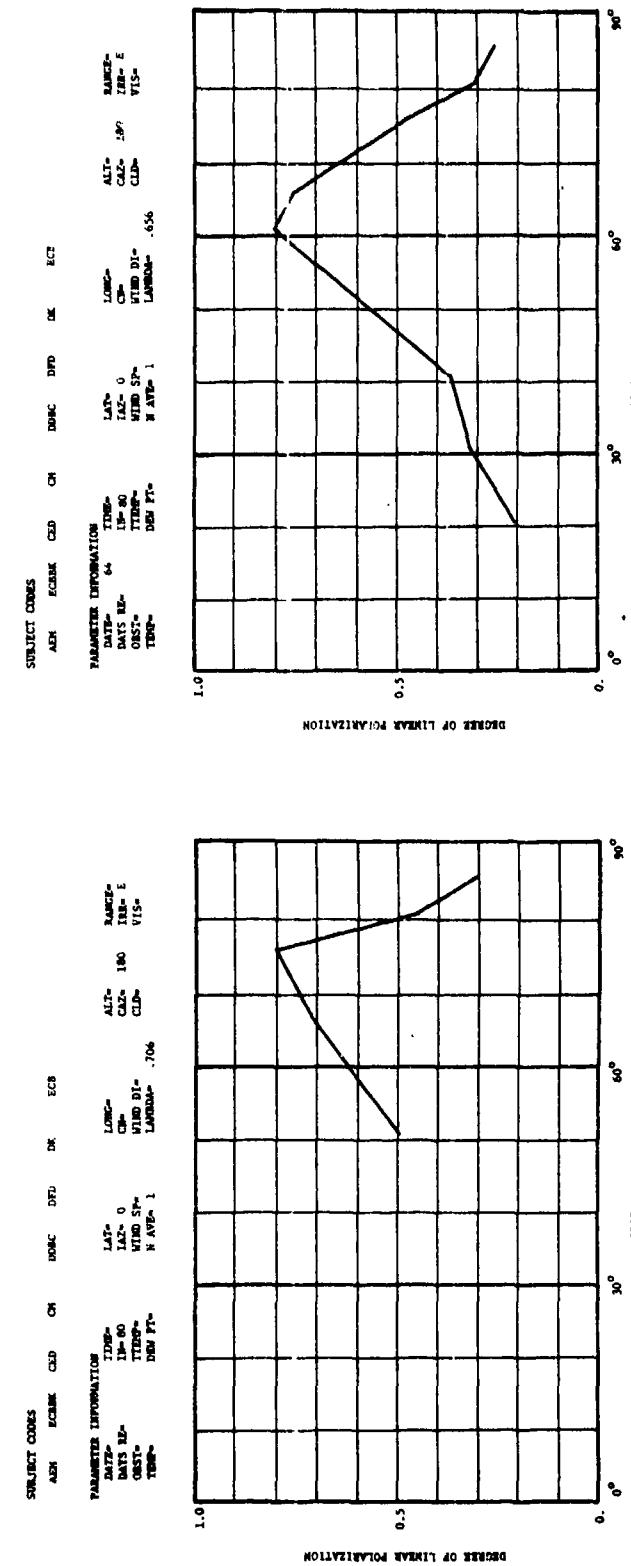


*81364-059 Flat Gray Paint. (CONFIDENTIAL)

*81364-061 Flat Gray Paint. (CONFIDENTIAL)

*81364-060 Flat Gray Paint. (CONFIDENTIAL)

*81364-062 Flat Gray Paint. (CONFIDENTIAL)

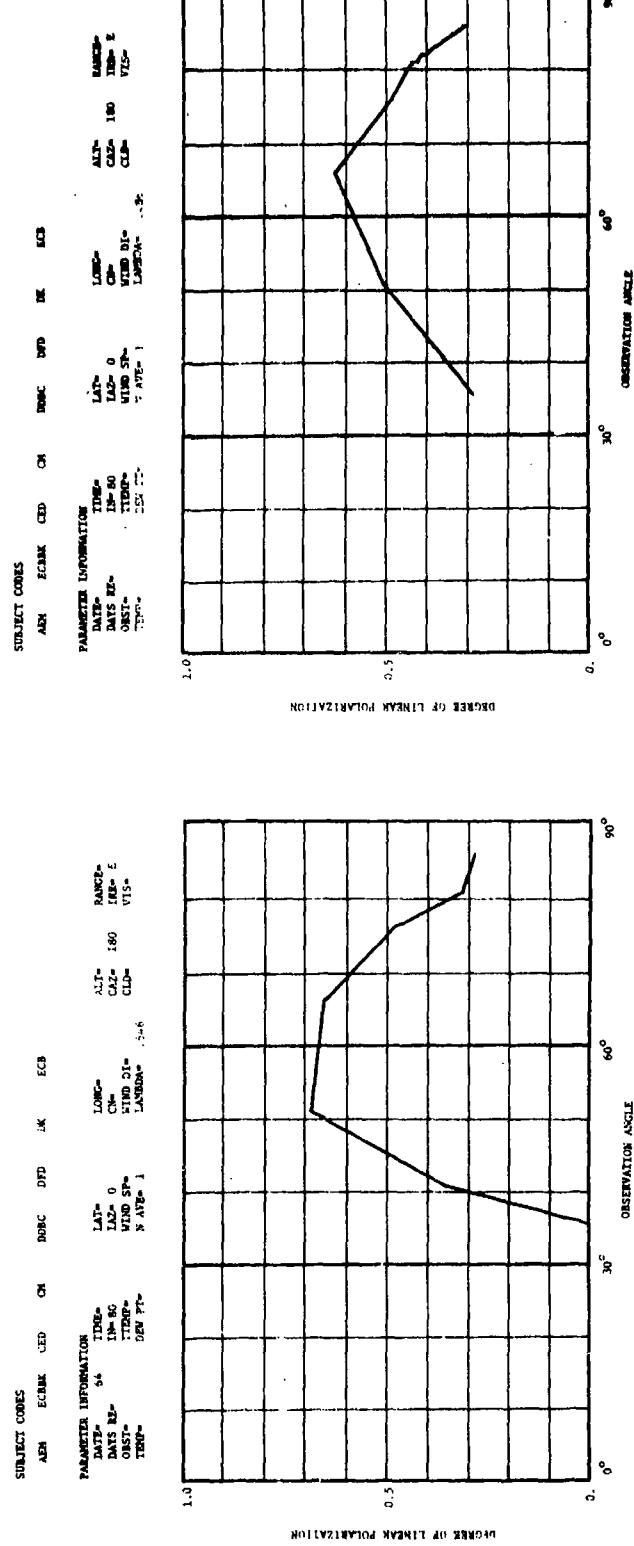


CONFIDENTIAL

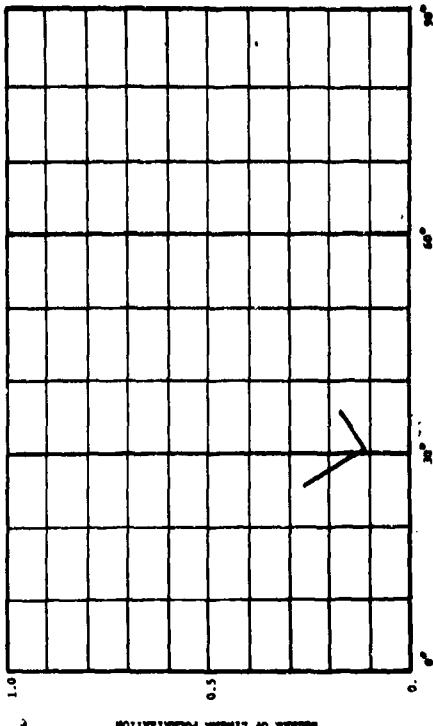
CONFIDENTIAL

ADM 7

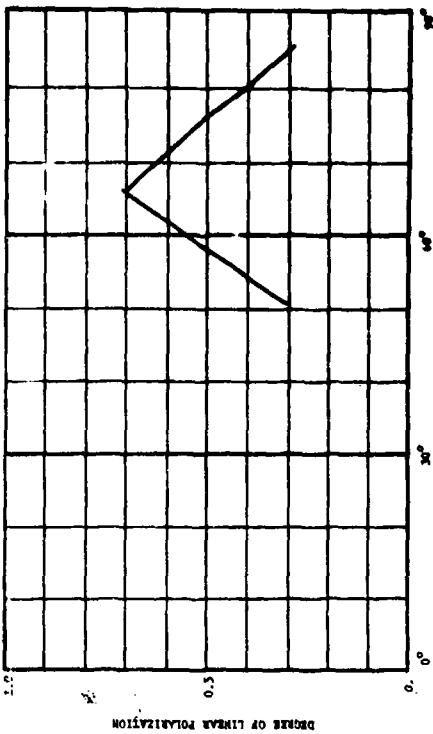
* 813864-061 Flat Gray Paint. (CONFIDENTIAL)



* 813864-062 Flat Gray Paint. (CONFIDENTIAL)



* 813864-063 Flat Gray Paint. (CONFIDENTIAL)



CONFIDENTIAL

CONFIDENTIAL

ADM 8

• 813064-080

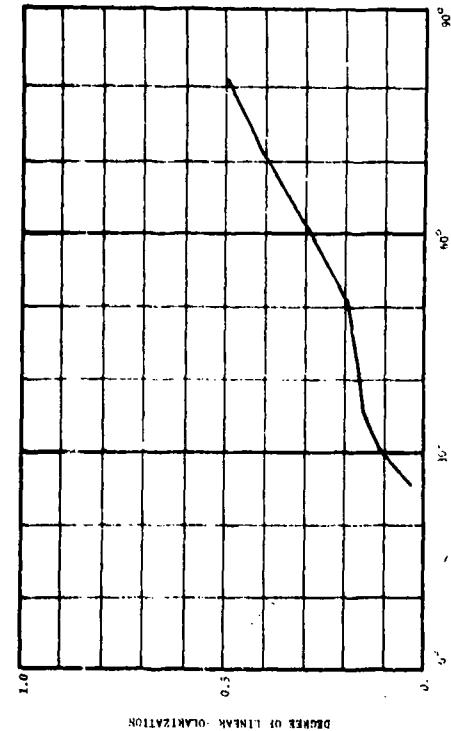
Camouflage Brown Paint - (CONFIDENTIAL)

SUBJECT CODES

ADM	ECAF	CED	CH	DNK	ED	IN	DMC	ED	DN	EDB

PARAMETER INFORMATION

TIME=	LAT=	LONG=	ALT=	RANGE=
1500	120°	180°	100	200' E
TEMP=	WIND SP=	CLD=	DIR=	CLD=
205° F	5 MPH	0%	N	0%
THRM=	S AVE=	VIS=	LAND=	LAND=
	1	100%	0%	0%



• 813064-081

Camouflage Brown Paint - (CONFIDENTIAL)

SUBJECT CODES

ADM	ECAF	CED	CH	DNK	ED	IN	DMC	ED	DN	EDB

PARAMETER INFORMATION

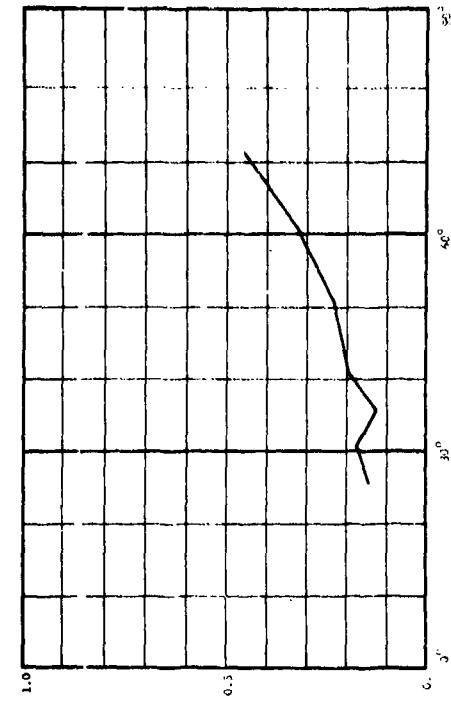
TIME=	LAT=	LONG=	ALT=	RANGE=
1500	120°	180°	100	200' E
TEMP=	WIND SP=	CLD=	DIR=	CLD=
205° F	5 MPH	0%	N	0%
THRM=	S AVE=	VIS=	LAND=	LAND=
	1	100%	0%	0%

SUBJECT CODES

ADM	ECAF	CED	CH	DNK	ED	IN	DMC	ED	DN	EDB

PARAMETER INFORMATION

TIME=	LAT=	LONG=	ALT=	RANGE=
1500	120°	180°	100	200' E
TEMP=	WIND SP=	CLD=	DIR=	CLD=
205° F	5 MPH	0%	N	0%
THRM=	S AVE=	VIS=	LAND=	LAND=
	1	100%	0%	0%



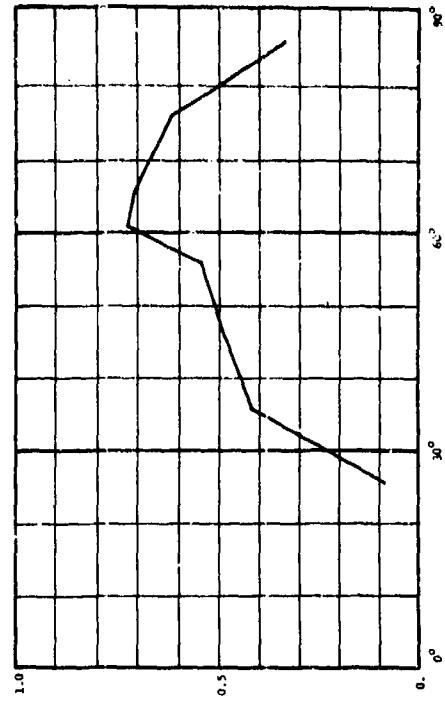
• 813064-082

Camouflage Brown Paint - (CONFIDENTIAL)

ADM	ECAF	CED	CH	DNK	ED	IN	DMC	ED	DN	EDB

PARAMETER INFORMATION

TIME=	LAT=	LONG=	ALT=	RANGE=
1500	120°	180°	100	200' E
TEMP=	WIND SP=	CLD=	DIR=	CLD=
205° F	5 MPH	0%	N	0%
THRM=	S AVE=	VIS=	LAND=	LAND=
	1	100%	0%	0%



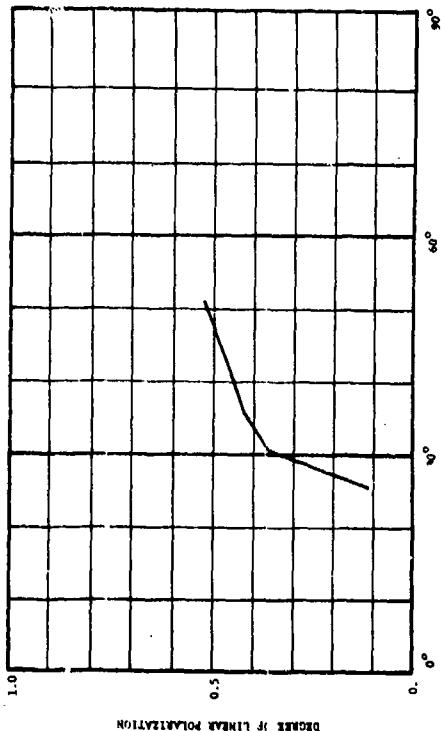
• 813064-083

Camouflage Brown Paint - (CONFIDENTIAL)

ADM	ECAF	CED	CH	DNK	ED	IN	DMC	ED	DN	EDB

PARAMETER INFORMATION

TIME=	LAT=	LONG=	ALT=	RANGE=
1500	120°	180°	100	200' E
TEMP=	WIND SP=	CLD=	DIR=	CLD=
205° F	5 MPH	0%	N	0%
THRM=	S AVE=	VIS=	LAND=	LAND=
	1	100%	0%	0%



CONFIDENTIAL

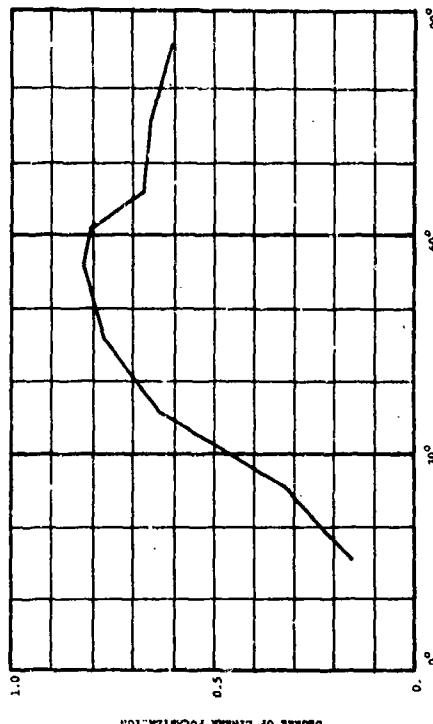
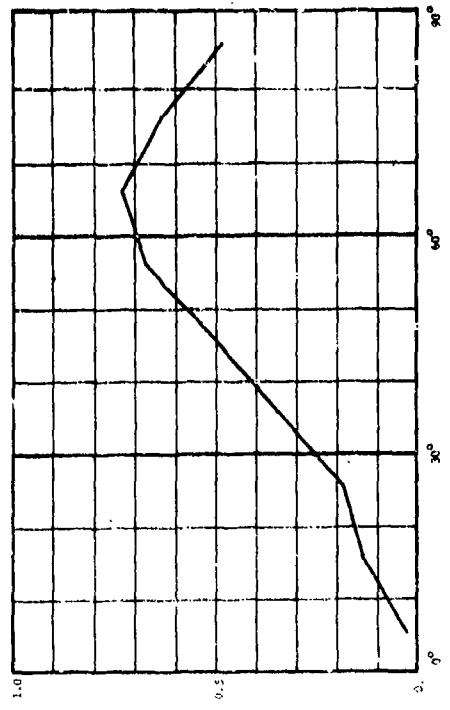
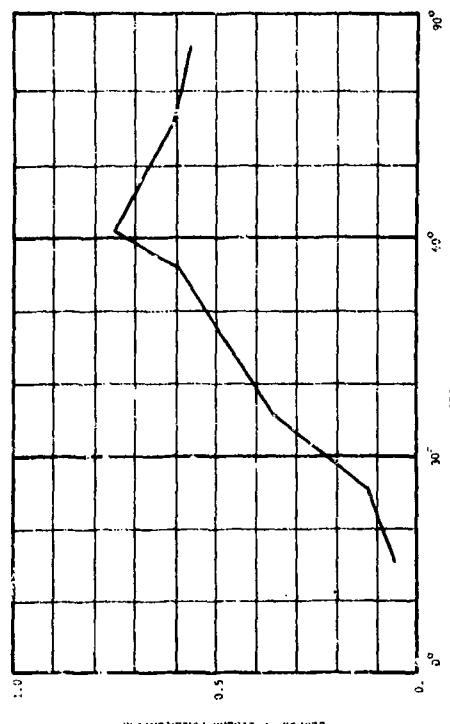
CONFIDENTIAL

ADM-1

• B1344-086 (CONFIDENTIAL)

CONTINUATION

PARAMETER INFORMATION					
PRODUCT CODES	AEM	ECBPF	CED	CW	DOC
DATAG	TRIP	LAT=			
DATAG ME-	1460	SAC=	J		
OSR*	TDPB*	WIND SP-			
TDRN*	DSR DT-	N WVE=	1		



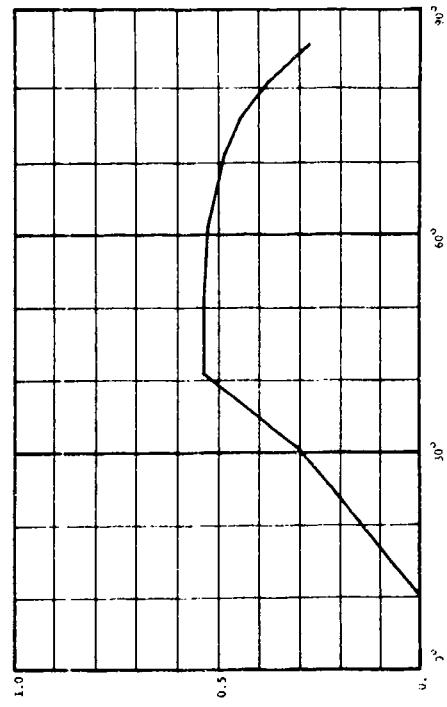
CONFIDENTIAL

CONFIDENTIAL

ARM IV

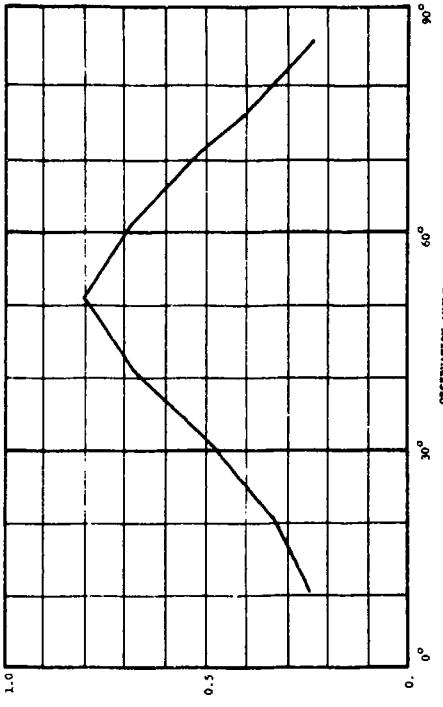
*113864-088 Camouflage Brown Paint. (CONFIDENTIAL)

SUBJECT CODES	AEN	EGRBF	CED	CH	DMC	DPT	DE	ECB
PARAMETER INFORMATION								
DATE- DAYS RE- 0651- T24P-								
TIME- 1H-30 TEMP- DEV FT-	LAT= 0 LAX= 0 WIND SP= 1 N AVE= 1	LONG= CH- WIND DI= LANDA=	ALT= 100 CLD= 115- CLIN=	RANGE= 100 CLD= 115- CLIN=				



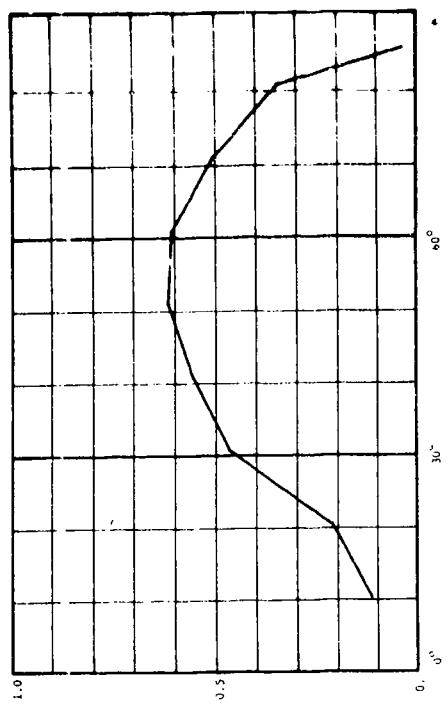
*113864-090 Camouflage Brown Paint. (CONFIDENTIAL)

SUBJECT CODES	AEN	EGRBF	CED	CH	DMC	DPT	DE	ECB
PARAMETER INFORMATION								
DATE- DAYS RE- 0651- T24P-								
TIME- 1H-30 TEMP- DEV FT-	LAT= 0 LAX= 0 WIND SP= 1 N AVE= 1	LONG= CH- WIND DI= LANDA=	ALT= 100 CLD= 115- CLIN=	RANGE= 100 CLD= 115- CLIN=				



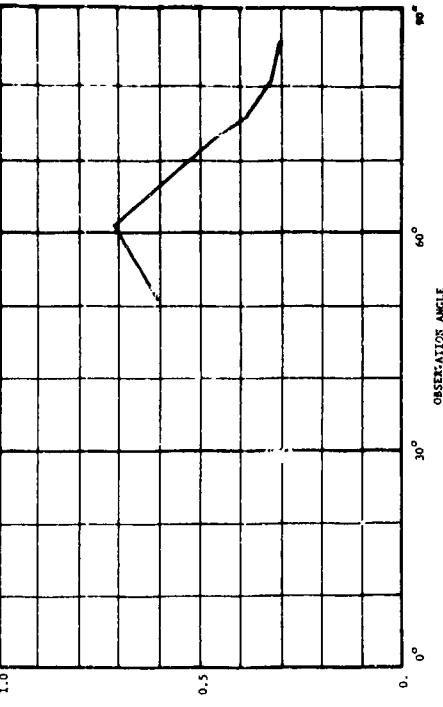
*113864-089 Camouflage Brown Paint. (CONFIDENTIAL)

SUBJECT CODES	AEN	EGRBF	CED	CH	DMC	DPT	DE	ECB
PARAMETER INFORMATION								
DATE- DAYS RE- 0651- T24P-								
TIME- 1H-30 TEMP- DEV FT-	LAT= 0 LAX= 0 WIND SP= 1 N AVE= 1	LONG= CH- WIND DI= LANDA=	ALT= 100 CLD= 115- CLIN=	RANGE= 100 CLD= 115- CLIN=				



*113864-091 Camouflage Brown Paint. (CONFIDENTIAL)

SUBJECT CODES	AEN	EGRBF	CED	CH	DMC	DPT	DE	ECB
PARAMETER INFORMATION								
DATE- DAYS RE- 0651- T24P-								
TIME- 1H-30 TEMP- DEV FT-	LAT= 0 LAX= 0 WIND SP= 1 N AVE= 1	LONG= CH- WIND DI= LANDA=	ALT= 100 CLD= 115- CLIN=	RANGE= 100 CLD= 115- CLIN=				



SECRET

ARM 11

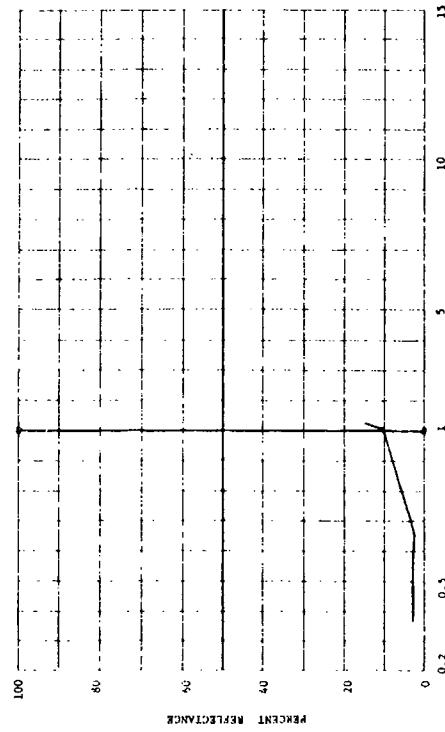
* B13946-007 Black Metal, dry. (SECRET)

* B1-CD-066 Orange Paint, Military Standard 3224b, on Wood. (CONFIDENTIAL)

SUBJECT CODES
AEN ECBM AET ID CED DFA DFC DK EACD ELS
ECCA

PARAMETER INFORMATION
DATE: 64 TIME: 14^h
DAY: RE-
CAST: TEMP:
TDRN: DRW PT:
N AVE: 1

ALT: RANGE:
CLZ: TIR: E
CLD: VIS:



* B1-00-069 Yellow Paint, Military Standard 31681, on Wood. (CONFIDENTIAL)

SUBJECT CODES
AEN ECBM AET ID CED DFA DFC DK EACD ELS
ECA

PARAMETER INFORMATION
DATE: 64 TIME: 14^h
DAY: RE-
CAST: TEMP:
TDRN: DRW PT:
N AVE: 1

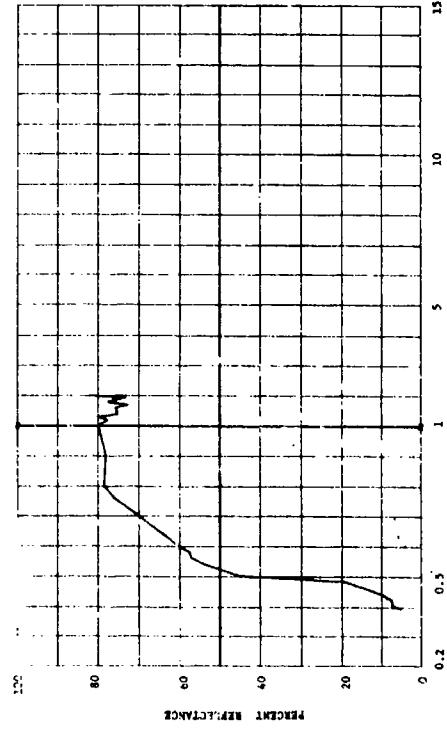
ALT: RANGE:
CLZ: TIR: E
CLD: VIS:

* B1-404-070 Black Paint, Military Standard 3703B, on Wood. (CONFIDENTIAL)

SUBJECT CODES
AEN ECBM AET ID CED DFA DFC DK EACD ELS
ECA

PARAMETER INFORMATION
DATE: 64 TIME: 14^h
DAY: RE-
CAST: TEMP:
TDRN: DRW PT:
N AVE: 1

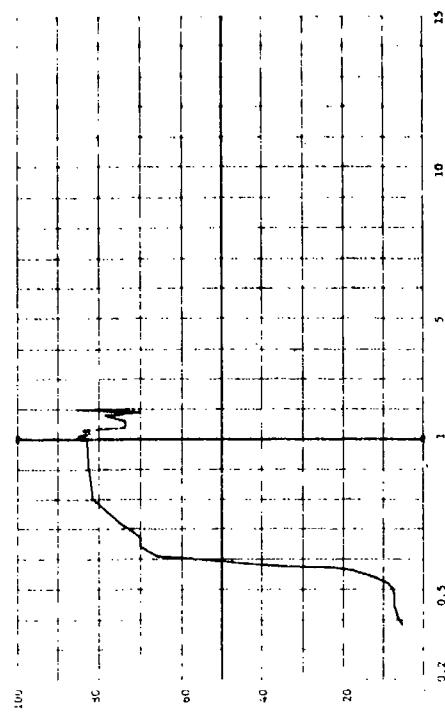
ALT: RANGE:
CLZ: TIR: E
CLD: VIS:



SUBJECT CODES
AEN ECBM AET ID CED DFA DFC DK EACD ELS
ECA

PARAMETER INFORMATION
DATE: 64 TIME: 14^h
DAY: RE-
CAST: TEMP:
TDRN: DRW PT:
N AVE: 1

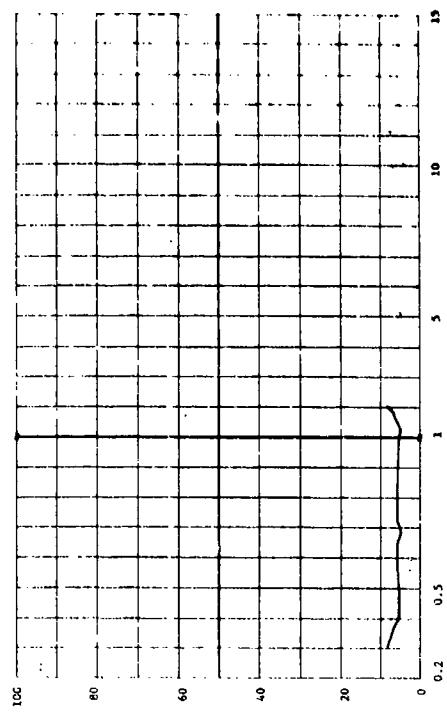
ALT: RANGE:
CLZ: TIR: E
CLD: VIS:



SUBJECT CODES
AEN ECBM AET ID CED DFA DFC DK EACD ELS
ECA

PARAMETER INFORMATION
DATE: 64 TIME: 14^h
DAY: RE-
CAST: TEMP:
TDRN: DRW PT:
N AVE: 1

ALT: RANGE:
CLZ: TIR: E
CLD: VIS:

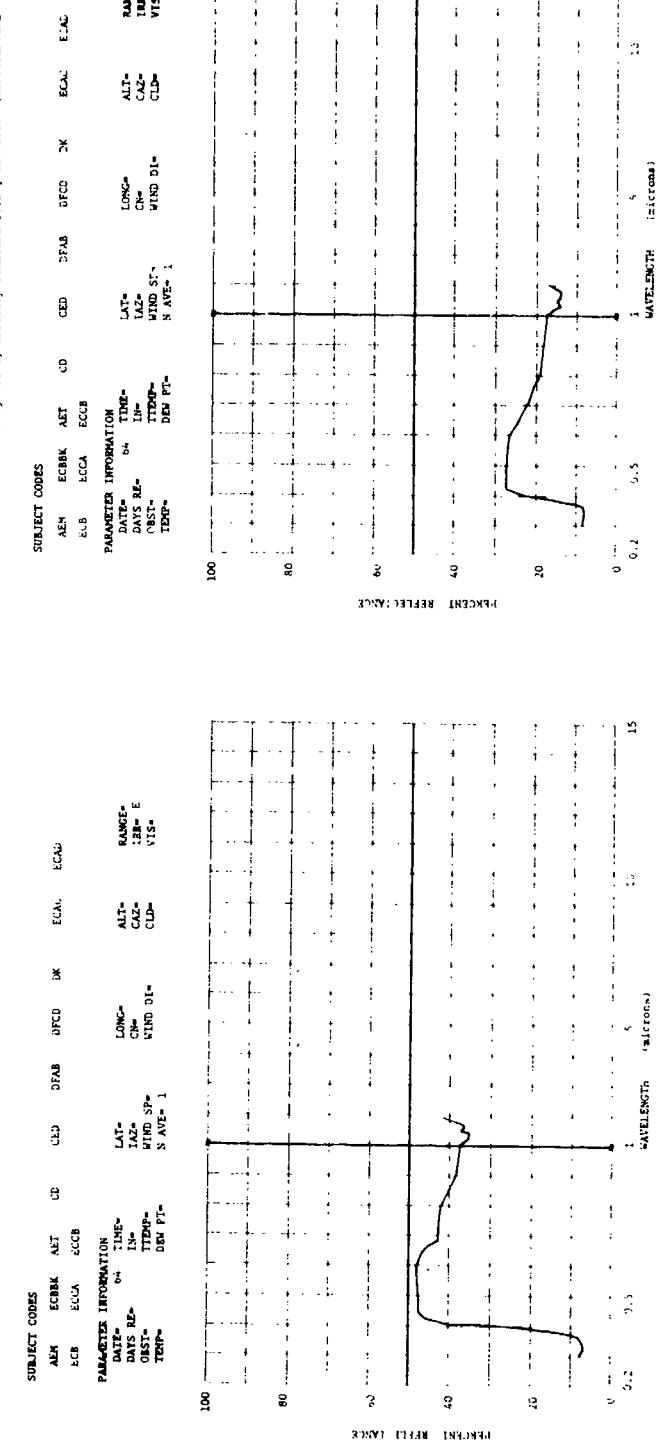


SECRET

CONFIDENTIAL

AFM 1.

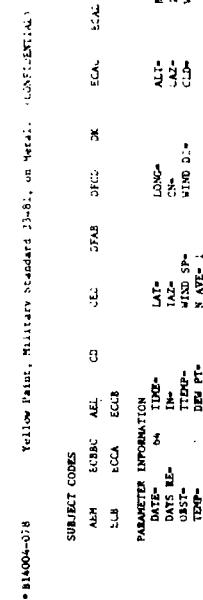
* B14004-075 Light Gray Paint, Military Standard 361-1, on Wood. (CONFIDENTIAL)



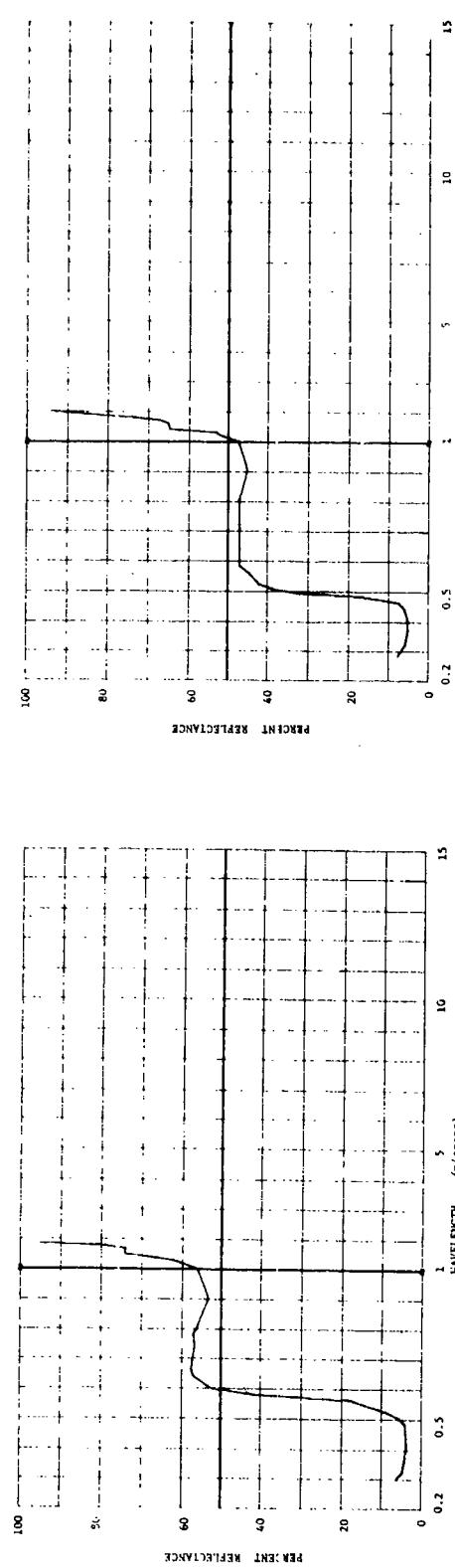
* B14004-077 Orange Paint, Military Standard 361-1, on Metal. (CONFIDENTIAL)



* B14004-075 Dark Gray Paint, Military Standard 361-1, on Wood. (CONFIDENTIAL)



* B14004-078 Yellow Paint, Military Standard 361-1, on Metal. (CONFIDENTIAL)



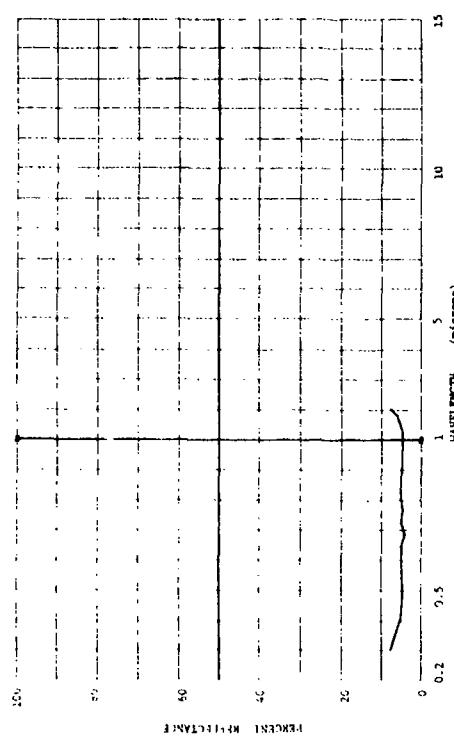
CONFIDENTIAL

* B13501-014 Lacquer, White, On Mild Steel, on Metal. (CONFIDENTIAL)

* B13501-009 Lacquer, White, On Mild Steel, Full Gloss. (CONFIDENTIAL)

SUBJECT CODES
AEM EAEI AEL CECI CECI DFCA DK FCAE ECAD
ECDL ECAI ECAI JFAB DFCO DK FCAE ECAD
ECCE

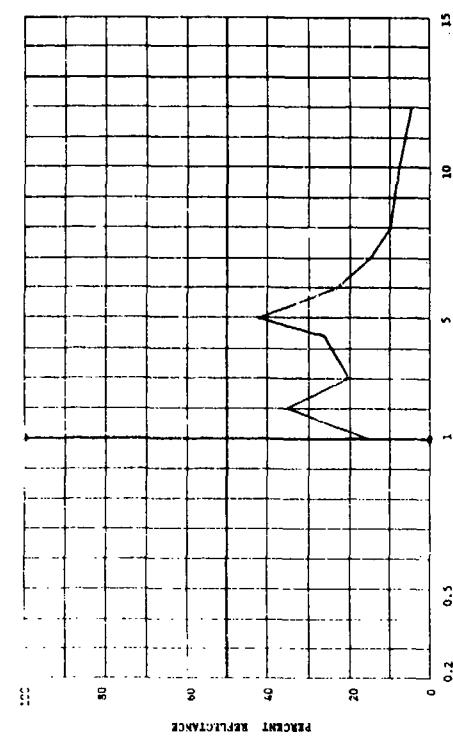
PARAMETER INFORMATION
DATE: 55 TIME: LAT: LONG:
DAYS: 35° 15° ALT: 15°
GAST: 25° 25° CAP: 15°
TEMP: 25° WIND DIR: 15°
DWP: 25° S AVE: 1
VIS: 15°



* B13501-015 Lacquer, White, On Mild Steel, Lusterless. (CONFIDENTIAL)

SUBJECT CODES
AEM AEL CECI CECI DFCA DK FCAE ECAD ECCE
ECCE

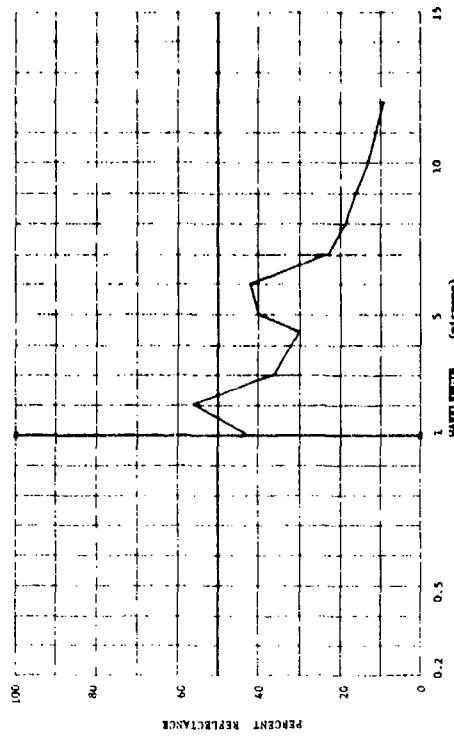
PARAMETER INFORMATION
DATE: 55 TIME: LAT: LONG:
DAYS: 35° 15° ALT: 15°
GAST: 25° 25° CAP: 15°
TEMP: 25° WIND DIR: 15°
DWP: 25° S AVE: 1
VIS: 15°



* B13501-009 Lacquer, White, On Mild Steel, Full Gloss. (CONFIDENTIAL)

SUBJECT CODES
AEM AEL AEL CECI CECI DFCA DK FCAE ECAD
ECCE

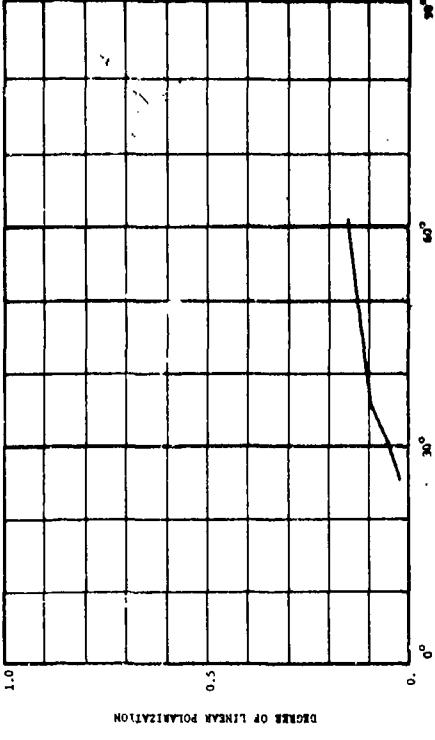
PARAMETER INFORMATION
DATE: 55 TIME: LAT: LONG:
DAYS: 35° 15° ALT: 15°
GAST: 25° 25° CAP: 15°
TEMP: 25° WIND DIR: 15°
DWP: 25° S AVE: 1
VIS: 15°



* B13501-034 Flat White Paint. (CONFIDENTIAL)

SUBJECT CODES
AEM CECI CECI DFCA DK FCAE ECAD ECCE

PARAMETER INFORMATION
DATE: 55 TIME: LAT: LONG:
DAYS: 35° 15° ALT: 15°
GAST: 25° 25° CAP: 15°
TEMP: 25° WIND DIR: 15°
DWP: 25° S AVE: 1
VIS: 15°



ARM 10

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AFM 14

* 61364-035 Flat White Paint. (CONFIDENTIAL)

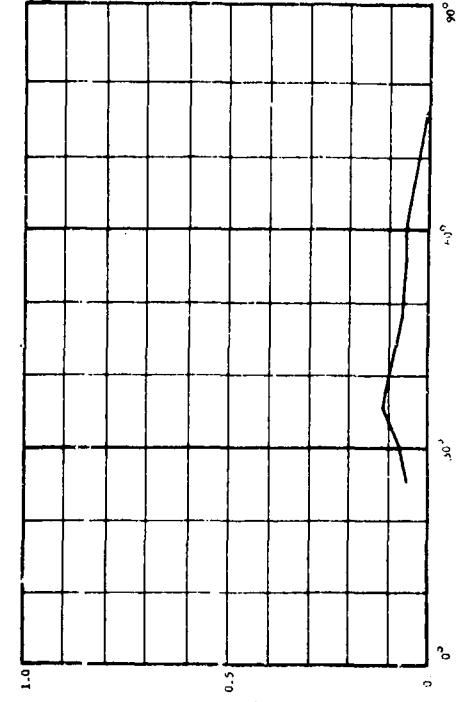
* 61364-026 Flat White Paint. (CONFIDENTIAL)

SUBJECT CODES
ALMA CED CH LDMC DFL DK ECB

PARAMETER INFORMATION
DATE- TIME-
DAY- 1N-30
OBSR- TTDR-
TEMP- DEM FT-
DEM PT-

LAT- 0
LONG- CR- 180
WIND DI- CLD-
LAMBDA- .636
VIS- E

RANGE-
CR- 180
CLD-
VIS- 1
WIND DI- 01-
LAMBDA- 100
ALT-
LAT-
WIND SP-
TEMP-
DEM F-
DEM PT-



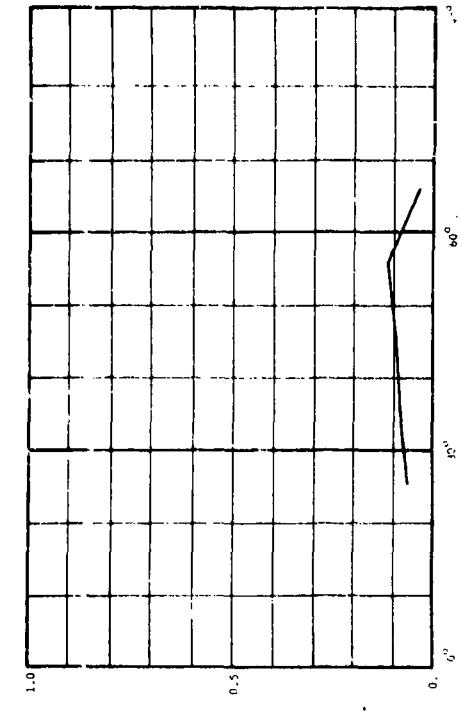
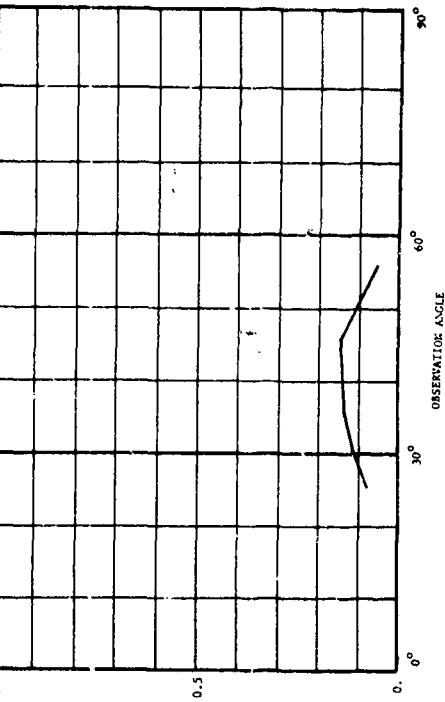
* 61364-037 Flat White Paint. (CONFIDENTIAL)

SUBJECT CODES
ALMA CED CH LDMC DFL DK ECB

PARAMETER INFORMATION
DATE- TIME-
DAY- 1N-30
OBSR- TTDR-
TEMP- DEM FT-
DEM PT-

LAT- 0
LONG- CR- 180
WIND DI- CLD-
LAMBDA- .860
VIS- E

RANGE-
CR- 180
CLD-
VIS- 1
WIND DI- 01-
LAMBDA- 100
ALT-
LAT-
WIND SP-
TEMP-
DEM F-
DEM PT-



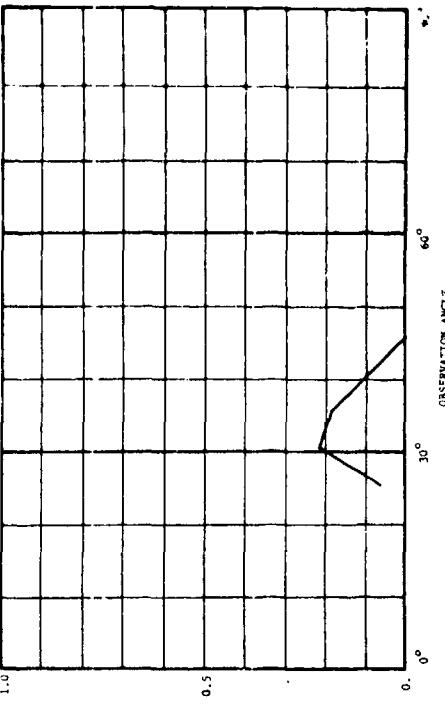
* 61364-038 Flat White Paint. (CONFIDENTIAL)

SUBJECT CODES
ALMA CED CH LDMC DFL DK ECB

PARAMETER INFORMATION
DATE- TIME-
DAY- 1N-30
OBSR- TTDR-
TEMP- DEM FT-
DEM PT-

LAT- 0
LONG- CR- 180
WIND DI- CLD-
LAMBDA- .636
VIS- E

RANGE-
CR- 180
CLD-
VIS- 1
WIND DI- 01-
LAMBDA- 100
ALT-
LAT-
WIND SP-
TEMP-
DEM F-
DEM PT-



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ARM 16

* B1.3864-040 Flat White Paint. (CONFIDENTIAL)

* B1.3864-041 Flat White Paint. (CONFIDENTIAL)

* B1.3864-040 Flat White Paint. (CONFIDENTIAL)

* B1.3864-041 Flat White Paint. (CONFIDENTIAL)

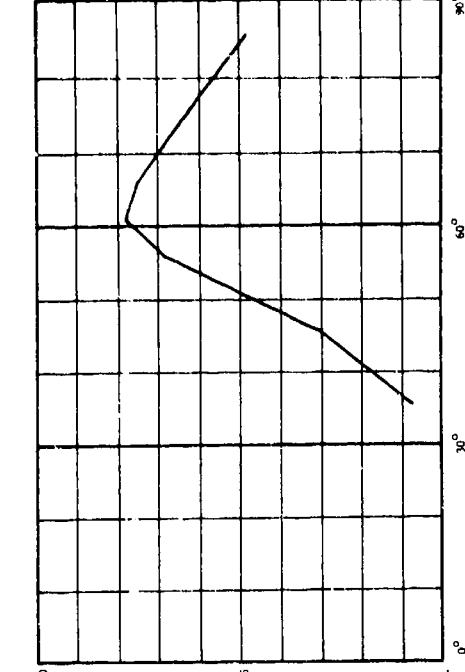
DEGREE OF LINEAR POLARIZATION

DEGREE OF LINEAR POLARIZATION

DEGREE OF LINEAR POLARIZATION

DEGREE OF LINEAR POLARIZATION

SUBJECT CODES	ABMA	CEI	CH	DMC	DFD	DK	ECD
PARAMETER INFORMATION							
DATE				LAT=			
TIME				LONG=			
DAY'S RE-				TRK=			
LAST				CAS=			
TEMP				CLD=			
PS-FT				VIS=			

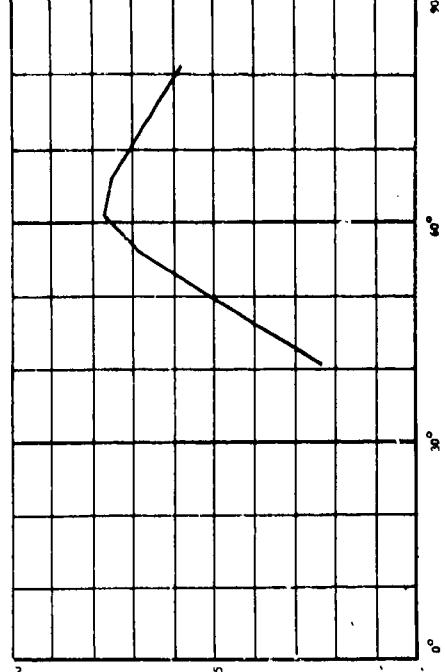


* B1.3864-041 Flat White Paint. (CONFIDENTIAL)

* B1.3864-042 Flat White Paint. (CONFIDENTIAL)

DEGREE OF LINEAR POLARIZATION

SUBJECT CODES	ABMA	CEI	CH	DMC	DFD	DK	ECD
PARAMETER INFORMATION				LAT=			
DATE				LONG=			
TIME				TRK=			
DAY'S RE-				CAS=			
OBST				CLD=			
TEMP				VIS=			
PS-FT							



DEGREE OF LINEAR POLARIZATION

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AFM 16

Fiat White Paint. (CONFIDENTIAL) #1346-044 Fiat Vehicle Paint. (CONFIDENTIAL)

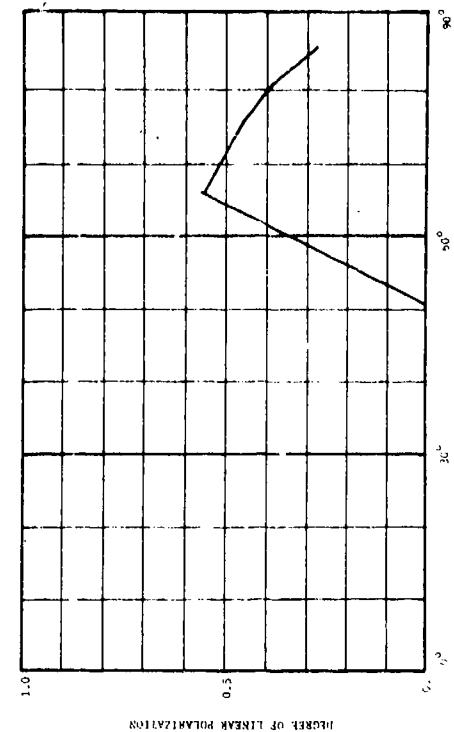
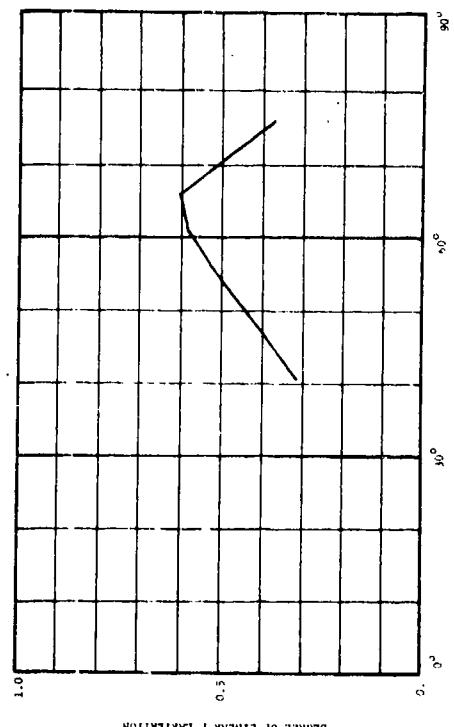
• 81 444-044

- B1.3864-04.

SUBJECT CODES

PARAMETER INFORMATION		TIME-	TIME-	LAT-
DATE	TIME	IN= 60	LAZ=	WIND
DAY	RE-			N AVE
01ST				
TEMP				

PARAMETER INFORMATION	
DATE=	TIME=
DAYs RE-	18-80
OBSY=	TIMEP*
TOPC	OCN
WIND SP=	N WIND
WIND DIR=	U



A graph showing the relationship between observation angle and reflection coefficient. The vertical axis is labeled "REFLECTION COEFFICIENT" and ranges from 0.0 to 1.0. The horizontal axis is labeled "OBSERVATION ANGLE" and ranges from 0° to 90°. A curve starts at approximately (0, 0.7), goes up to (20°, 1.0), then down to (40°, 0.8), and finally up again to (60°, 1.0). A straight line starts at (0, 0.7) and goes down to (90°, 0.7).

OBSERVATION ANGLE (°)	REFLECTION COEFFICIENT (Curve)	REFLECTION COEFFICIENT (Line)
0	0.7	0.7
20	1.0	0.7
40	0.8	0.7
60	1.0	0.7
90	0.7	0.7

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CONFIDENTIAL

ADM 17

* B1364-047

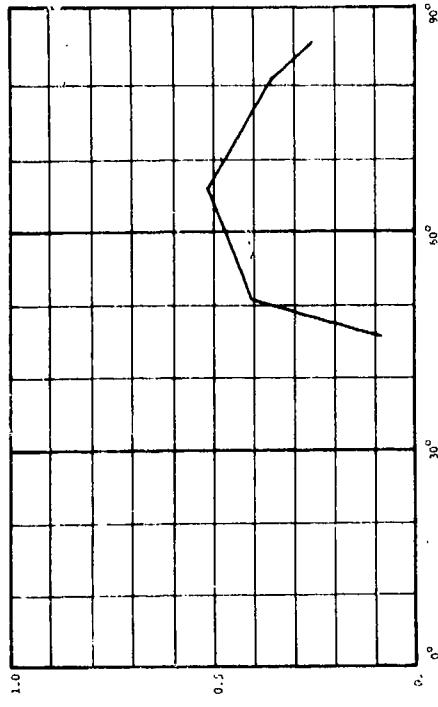
Flat White Paint. (CONFIDENTIAL)

* B1364-048

Flat White Paint. (CONFIDENTIAL)

SUBJECT CODES
AEN/A CED CH DFB/C DF/C ECB

PARAMETER INFORMATION
DATE= TIME= LAT= 0 LONG= CH= ALT= 180
DAYS RE= 11m 40' WIND SP= VTS= E
OBSR= 1120P^o WIND DI= CLD= 0.46
TEMP= 20°C VTS= 1
HUM= 45%
RH= 100%



* B1404-072 White Paint. Military Standard 37875, on Wood. (CONFIDENTIAL)

SUBJECT CODES
AEN/A CED CH DFB/C DF/C ECB

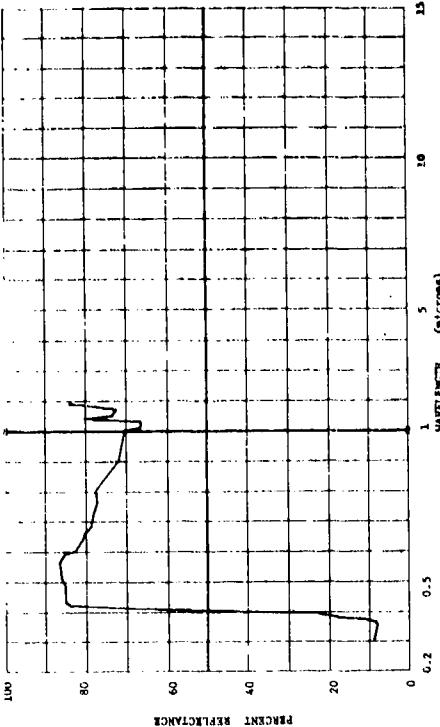
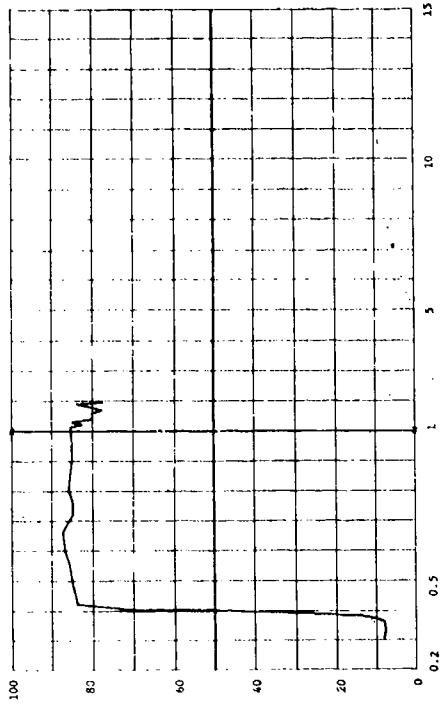
PARAMETER INFORMATION
DATE= 64 TIME= LAT= 0 LONG= CH= ALT= 180
DAYS RE= 11m WIND SP= VTS= E
OBSR= 1120P^o WIND DI= CLD= 0.46
TEMP= 20°C VTS= 1
HUM= 45%
RH= 100%



* B1404-080 White Paint. Military Standard 37875, on Metal. (CONFIDENTIAL)

SUBJECT CODES
AEN/A CED CH DFB/C DF/C ECB
ECCA ECAC

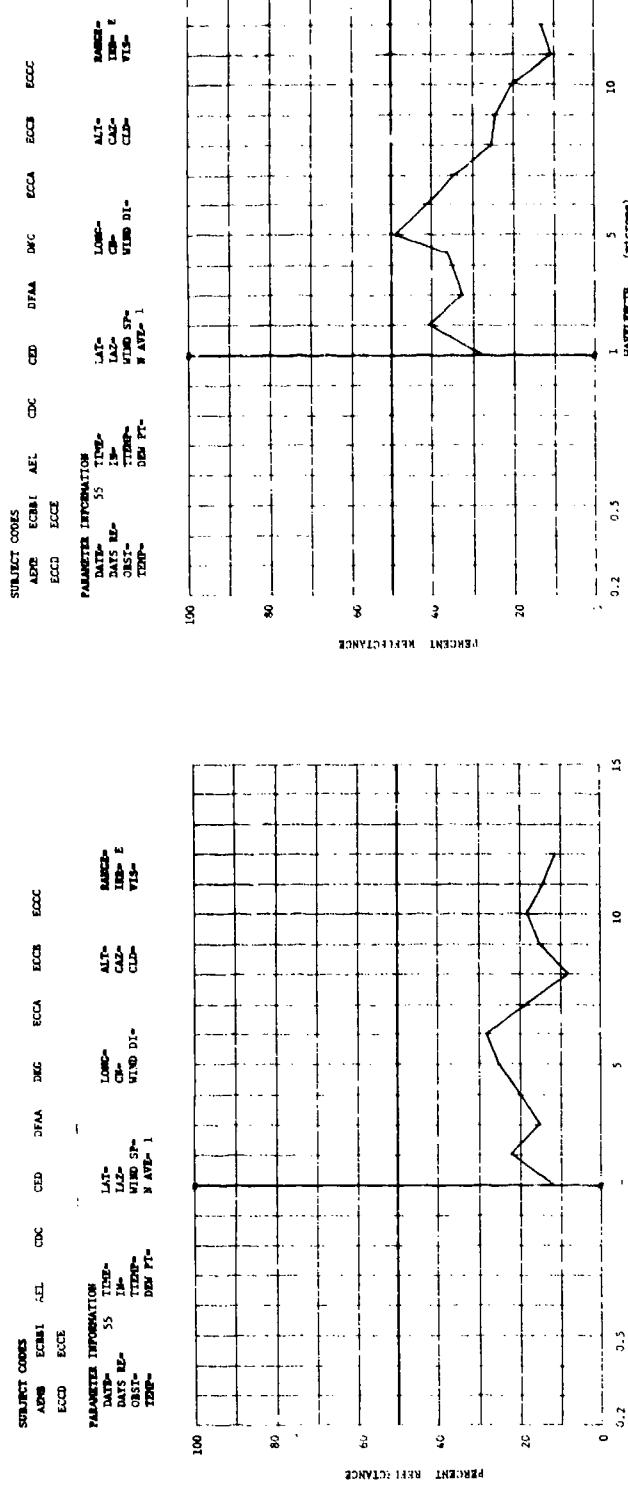
PARAMETER INFORMATION
DATE= 64 TIME= LAT= 0 LONG= CH= ALT= 180
DAYS RE= 11m WIND SP= VTS= E
OBSR= 1120P^o WIND DI= CLD= 0.46
TEMP= 20°C VTS= 1
HUM= 45%
RH= 100%



CONFIDENTIAL

APM 10

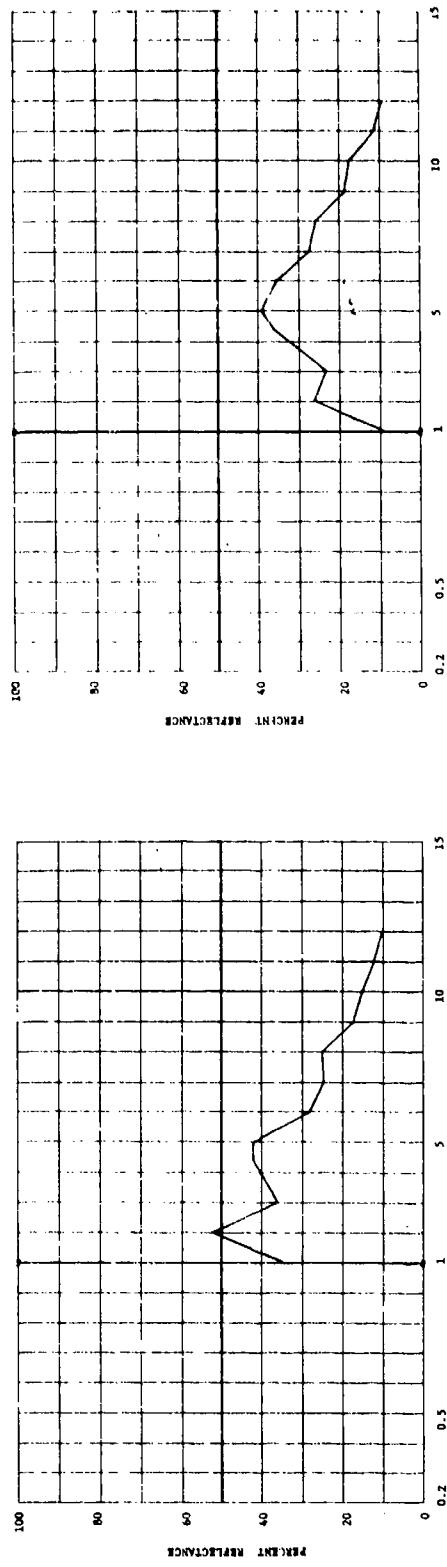
• B13501-001 Enameled Olive Drab, on Mild Steel, Semi-Gloss. (CONFIDENTIAL)



• B13501-003 Synthetic Enameled Olive Drab, on Mild Steel, Semi-Gloss. (CONFIDENTIAL)



• B13501-002 Enameled Olive Drab, on Mild Steel, Semi-Gloss. (CONFIDENTIAL)



CONFIDENTIAL

CONFIDENTIAL

ARM 10

* 813501-005 Synthetic Epoxy, Olive Drab, On Mild Steel, Semi-Gloss. (CONFIDENTIAL)

* 813501-007 Lacquer, Olive Drab, On Mild Steel, Full Gloss. (CONFIDENTIAL)

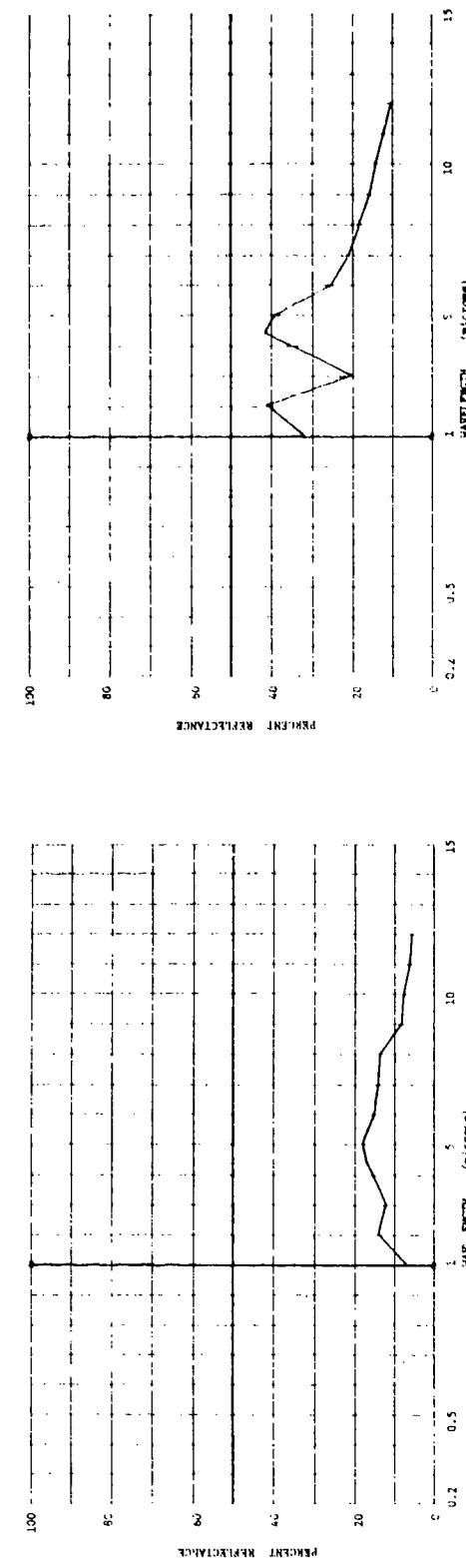
* 813501-011

Lacquer, Olive Drab, On Mild Steel, Semi-Gloss. (CONFIDENTIAL)

E-13501-001

Olive Drab Epoxy, 50/50 Job - F = 260 Deg. C. (CONFIDENTIAL)

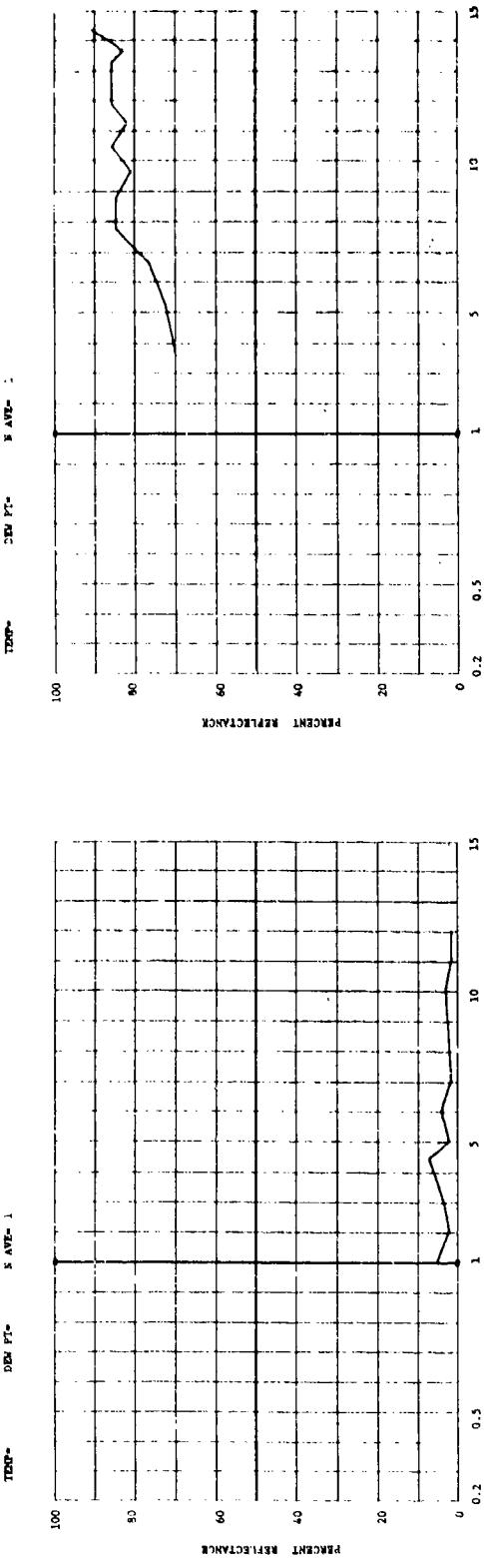
SUBJECT CODES
AERB ECBBI AEL CEC DFAA UGC ECCA FCCM ECCG
ECCD ECCE
PARAMETER INFORMATION
DATE= 55 TIME= 13⁰⁰ LAT= 142⁰ ALT= 142⁰ RANGE= 10000
DAY= RE- 142⁰ LONG= 142⁰ CLB= 10000
OBSR= WIND SP= 10000
TIME= 13⁰⁰ DIR= 10000
WIND PT= N AVE= 10000



* 813501-011 Lacquer, Olive Drab, On Mild Steel, Semi-Gloss. (CONFIDENTIAL)

E-13501-001 Olive Drab Epoxy, 50/50 Job - F = 260 Deg. C. (CONFIDENTIAL)

SUBJECT CODES
AERB ECBBI AEL CEC DFAA UGC ECCA FCCM ECCG
ECCD ECCE
PARAMETER INFORMATION
DATE= 55 TIME= 13⁰⁰ LAT= 142⁰ ALT= 142⁰ RANGE= 10000
DAY= RE- 142⁰ LONG= 142⁰ CLB= 10000
OBSR= WIND SP= 10000
TIME= 13⁰⁰ DIR= 10000
WIND PT= N AVE= 10000



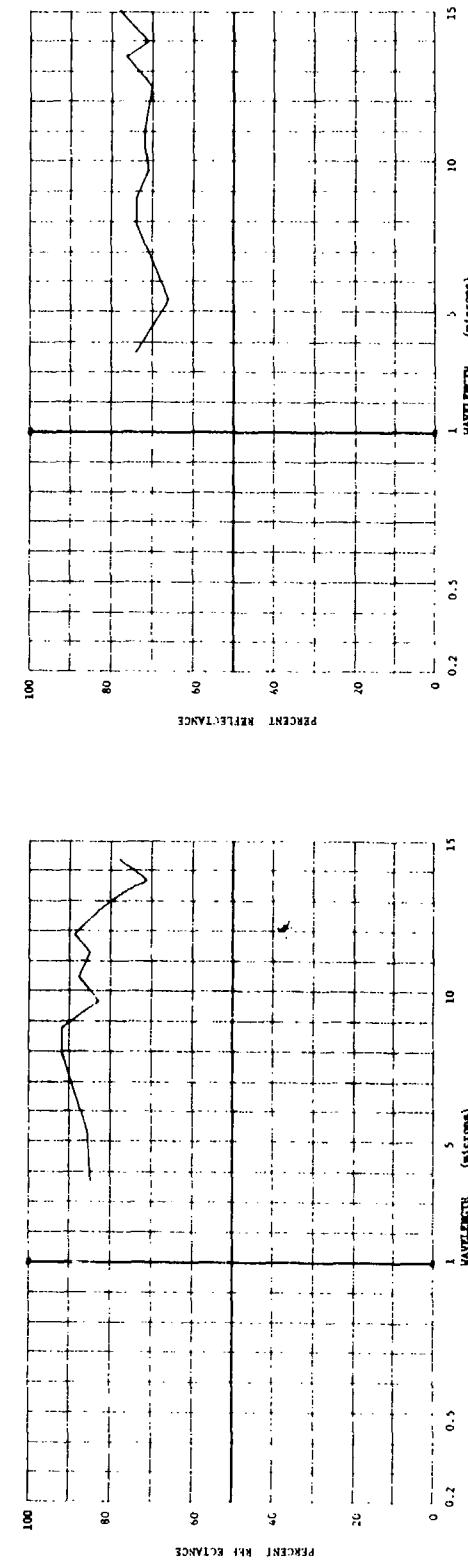
CONFIDENTIAL

CONFIDENTIAL

* B-13621-002 Olive Drab Enamelled Steel, 300 deg. F = 148.9 Deg. C. (CONFIDENTIAL)

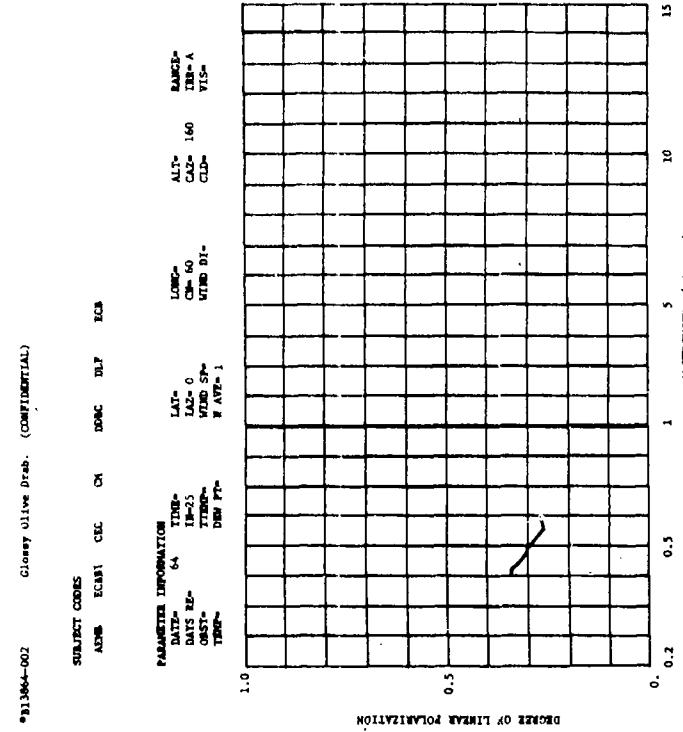
* B-13621-003 Olive Drab Enamelled Steel, 150 Deg. F = 65.6 Deg. C. (CONFIDENTIAL)

SUBJECT CODES
AENS ECBBI AEL CDC CED DJC DM ECDC ECDD ECCE
PARAMETER INFORMATION
DATE: 54 TIME: 14
DAYS RE: 14
OBST: 7700'
TEMP: 00°F
WIND PT: 1
N AVE: 1



* B-13624-001 Semidose Marine Green. (CONFIDENTIAL)

SUBJECT CODES
AENS CEC CM DBDC DLF ECAB
PARAMETER INFORMATION
DATE: 64 TIME: 14
DAYS RE: 14
OBST: 7700'
TEMP: 00°F
WIND PT: 1
N AVE: 1



* B-13621-003 Olive Drab Enamelled Steel, 150 deg. F = 65.6 Deg. C. (CONFIDENTIAL)

CONFIDENTIAL

CONFIDENTIAL

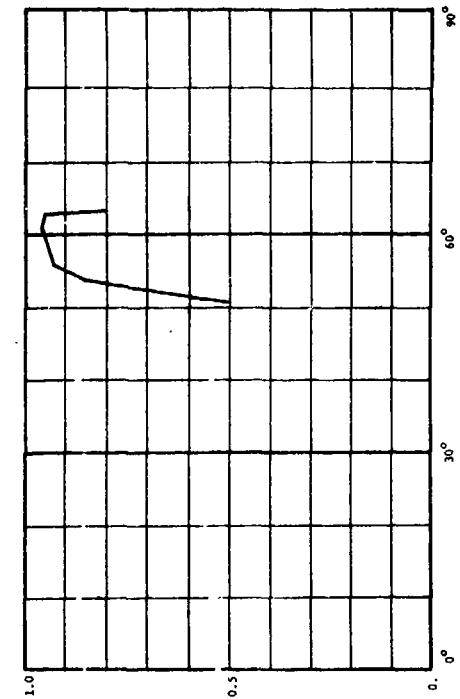
AEM 22

* 81386-028 Glossy Olive Drab Paint. (CONFIDENTIAL)

* 81386-028 Glossy Olive Drab Paint. (CONFIDENTIAL)

SUBJECT CODES
ADM ECRX CID CH DMC DPD DK ECR

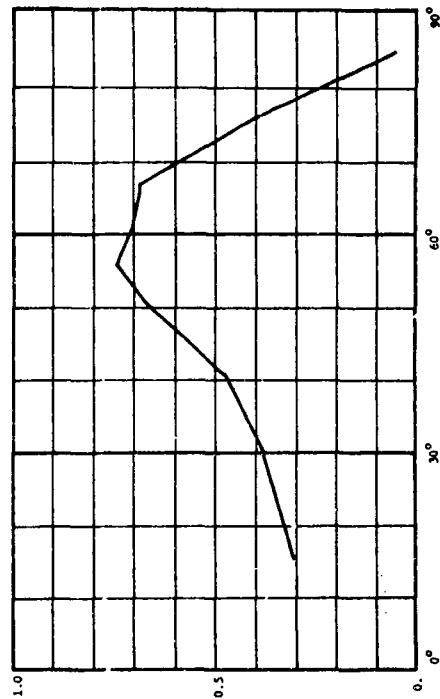
PARAMETER INFORMATION
DATE-TIME- 64 TIME-
DAY'S AGE- 1P-60
OBSST-
TEMP-
DPS-
PT-



* 81386-030 Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES
ADM CID CH DMC DPD DK ECR

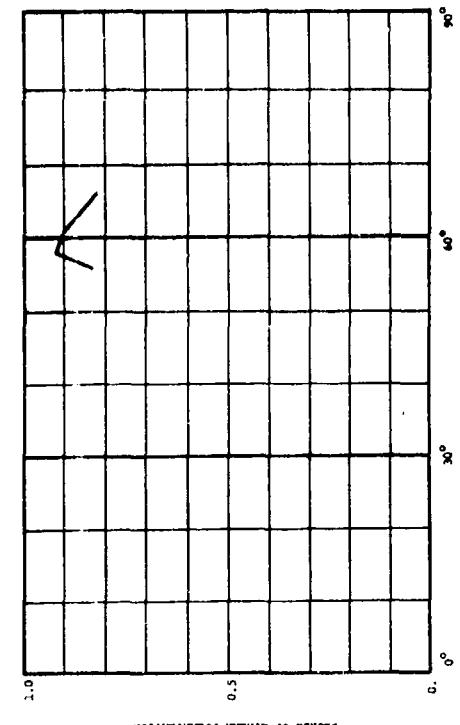
PARAMETER INFORMATION
DATE-TIME- 64 TIME-
DAY'S AGE- 1P-60
OBSST-
TEMP-
DPS-
PT-



* 81386-029 Glossy Olive Drab Paint. (CONFIDENTIAL)

SUBJECT CODES
ADM SCBL CID CH DMC DPD DK ECR

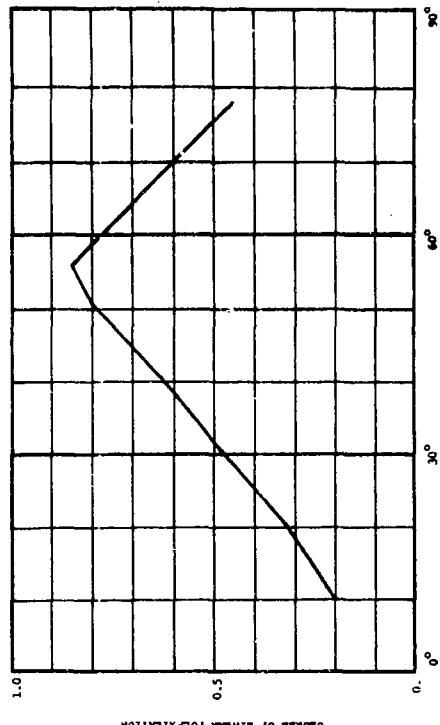
PARAMETER INFORMATION
DATE-TIME- 64 TIME-
DAY'S AGE- 1P-60
OBSST-
TEMP-
DPS-
PT-



* 81386-031 Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES
ADM CID CH DMC DPD DK ECR

PARAMETER INFORMATION
DATE-TIME- 64 TIME-
DAY'S AGE- 1P-60
OBSST-
TEMP-
DPS-
PT-



* B13864-032 Camouflage Green Paint. (CONFIDENTIAL)

* B13864-033 Camouflage Green Paint. (CONFIDENTIAL)

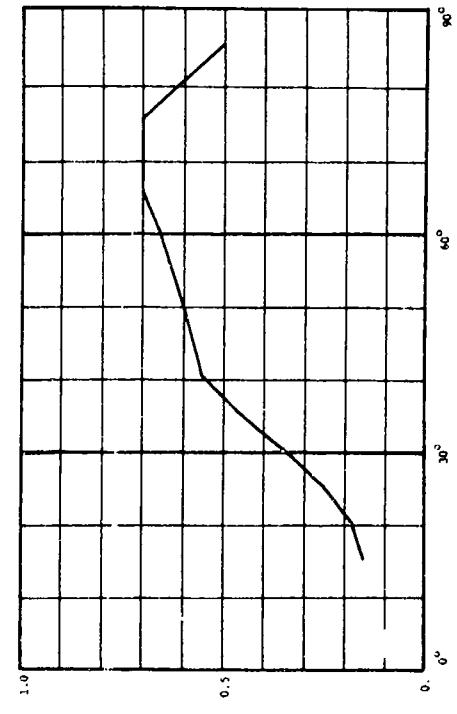
CONFIDENTIAL

AEM 23

SUBJECT CODES
AERB CED CM DOMC DFD DK ECR

PARAMETER INFORMATION
DATE TIME 11h-30
DATE RLE-
OBSR-
TEMP-
DRI PT-

LAT- 0
LONG-
CLSD-
VIS-
ALT- 160
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-
ALT- 180
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-

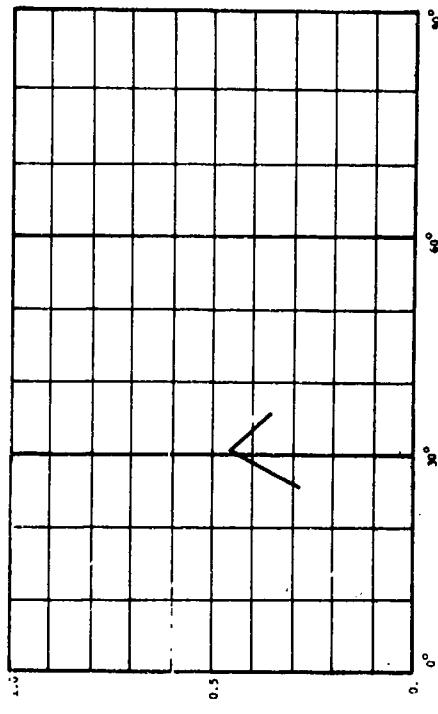


* B13864-034 Semigloss Marlin Green Paint. (CONFIDENTIAL)

SUBJECT CODES
AERB CED CM DOMC DFD DK ECR

PARAMETER INFORMATION
DATE TIME 11h-30
DATE RLE-
OBSR-
TEMP-
DRI PT-

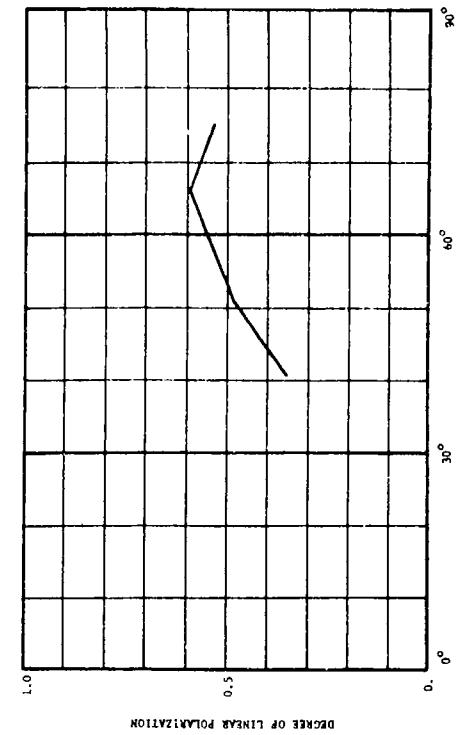
LAT- 0
LONG-
CLSD-
VIS-
ALT- 160
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-
ALT- 180
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-



SUBJECT CODES
AERB CED CM DOMC DFD DK ECR

PARAMETER INFORMATION
DATE TIME 11h-30
DATE RLE-
OBSR-
TEMP-
DRI PT-

LAT- 0
LONG-
CLSD-
VIS-
ALT- 160
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-
ALT- 180
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-

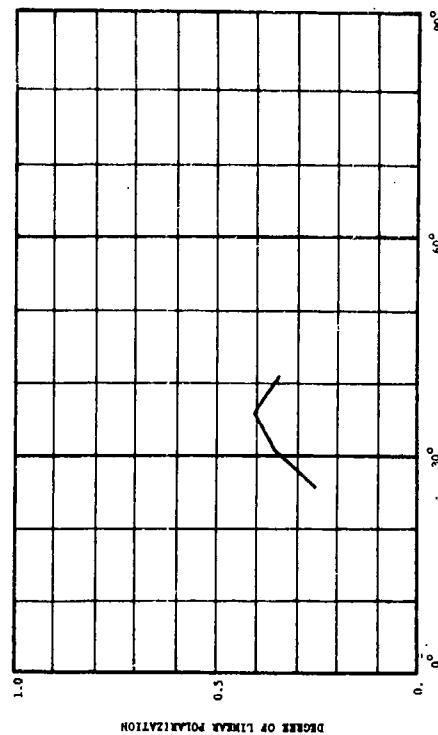


* B13864-035 Semigloss Marine Green Paint. (CONFIDENTIAL)

SUBJECT CODES
AERB CED CM DOMC DFD DK ECR

PARAMETER INFORMATION
DATE TIME 11h-30
DATE RLE-
OBSR-
TEMP-
DRI PT-

LAT- 0
LONG-
CLSD-
VIS-
ALT- 160
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-
ALT- 180
CLSD-
VIS-
RANGE-
CLSD-
VIS-
WIND DI-
LADDA-
CLSD-
VIS-



CONFIDENTIAL

AEM 24

* 813864-068 Semigloss Marine Green Paint. (CONFIDENTIAL)

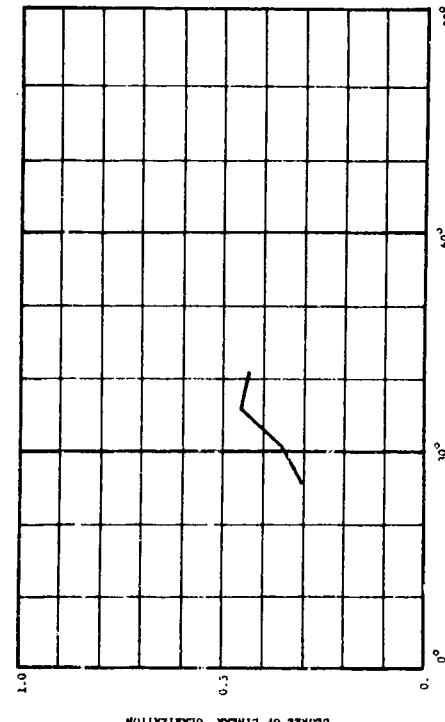
* 813864-067 Semigloss Marine Green Paint. (CONFIDENTIAL)

SUBJECT CODES

AERB	CED	CR	DBMC	DFTD	DK	E.C.B.

PARAMETER INFORMATION

DATE*	TIME*	LAT*	LONG*	ALT*	RANGE*
18-30	11h 30m	142° 0'	08° 0'	180	1000
DATA RE-	TEMP*	WIND SP*	WIND DIR*	CA2*	VIS*
ORST*	DEW PT*	N AVE*	LANDMA*	CLD*	UTS*
TEMP*					



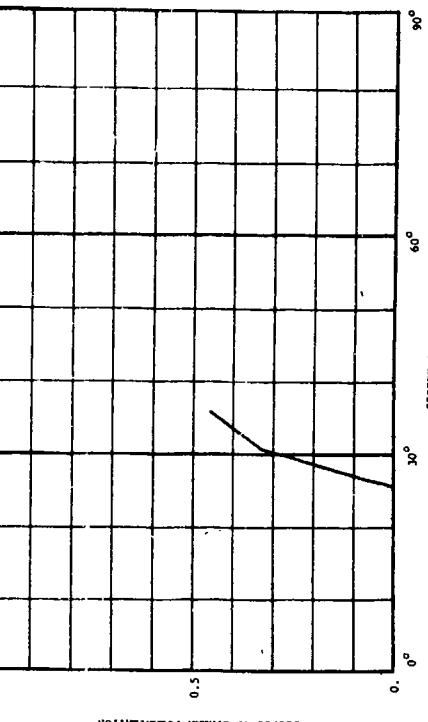
* 813864-068 Semigloss Marine Green Paint. (CONFIDENTIAL)

SUBJECT CODES

AERB	CED	CR	DBMC	DFTD	DK	E.C.B.

PARAMETER INFORMATION

DATE*	TIME*	LAT*	LONG*	ALT*	RANGE*
18-30	11h 30m	142° 0'	08° 0'	180	1000
DATA RE-	TEMP*	WIND SP*	WIND DIR*	CA2*	VIS*
ORST*	DEW PT*	N AVE*	LANDMA*	CLD*	UTS*
TEMP*					



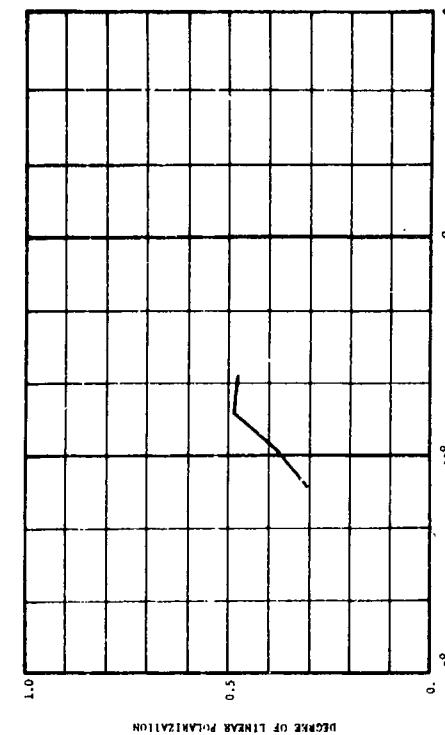
* 813864-067 Semigloss Marine Green Paint. (CONFIDENTIAL)

SUBJECT CODES

AERB	CED	CR	DBMC	DFTD	DK	E.C.B.

PARAMETER INFORMATION

DATE*	TIME*	LAT*	LONG*	ALT*	RANGE*
18-30	11h 30m	142° 0'	08° 0'	180	1000
DATA RE-	TEMP*	WIND SP*	WIND DIR*	CA2*	VIS*
ORST*	DEW PT*	N AVE*	LANDMA*	CLD*	UTS*
TEMP*					

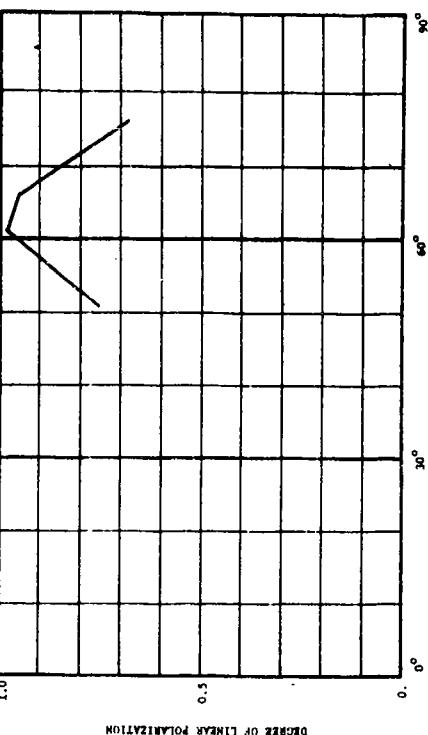


* 813864-069 Semigloss Marine Green Paint. (CONFIDENTIAL)

AERB	CED	CR	DBMC	DFTD	DK	E.C.B.

PARAMETER INFORMATION

DATE*	TIME*	LAT*	LONG*	ALT*	RANGE*
18-30	11h 30m	142° 0'	08° 0'	180	1000
DATA RE-	TEMP*	WIND SP*	WIND DIR*	CA2*	VIS*
ORST*	DEW PT*	N AVE*	LANDMA*	CLD*	UTS*
TEMP*					



CONFIDENTIAL

AEM 25

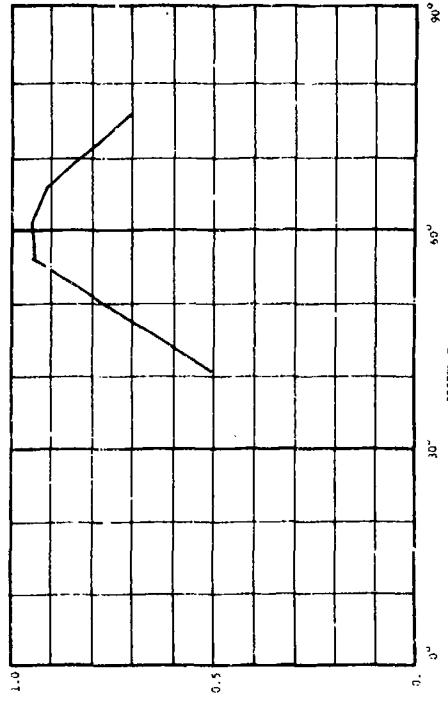
*B1386-070 Semigloss Marine Green Paint. (CONFIDENTIAL)

*B1386-071

Semigloss Marine Green Paint. (CONFIDENTIAL)

SUBJECT CODES
AEM CED CM DMC DFD DK ECB

PARAMETER INFORMATION
DATE TIME^{*} LAT^{*} ALT^{*} RANGE^{*}
DAYS RE- 1M=60 LAT= 0 CLR= 180 TRK= E
GST- TTDO= WIND SP= 175^{*}
TEMP- DEP PT= N AVE= 1 WIND DI= LAMBDA= .236



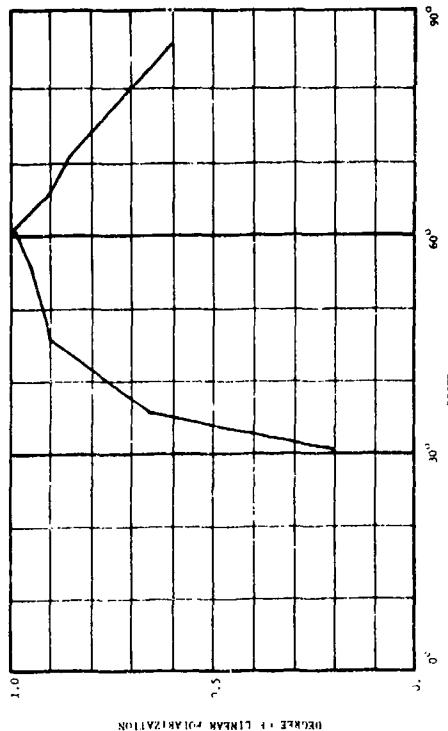
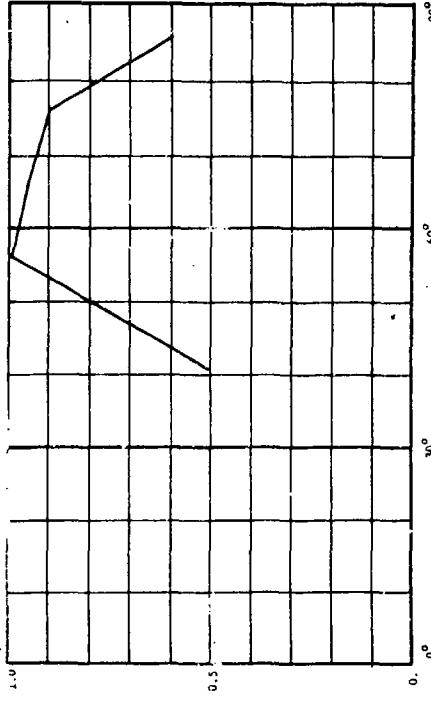
*B1386-072 Semigloss Marine Green Paint. (CONFIDENTIAL)

*B1386-073

Semigloss Marine Green Paint. (CONFIDENTIAL)

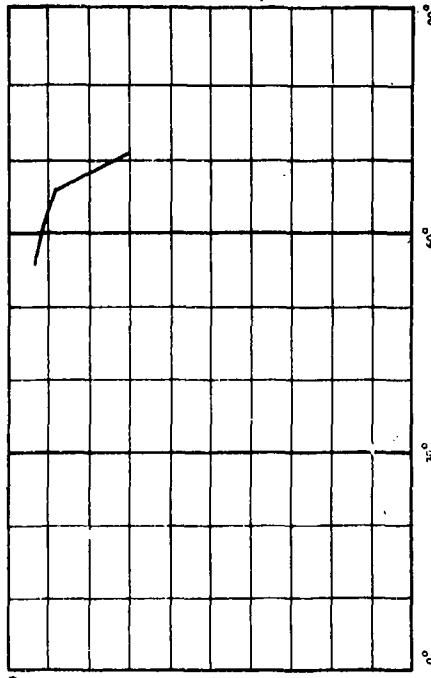
SUBJECT CODES
AEM CED CM DMC DFD DK ECB

PARAMETER INFORMATION
DATE TIME^{*} LAT^{*} ALT^{*} RANGE^{*}
DAYS RE- 1M=60 LAT= 0 CLR= 160 TRK= E
GST- TTDO= WIND SP= 175^{*}
TEMP- DEP PT= N AVE= 1 WIND DI= LAMBDA= .166



SUBJECT CODES
AEM CED CM DMC DFD DK ECB

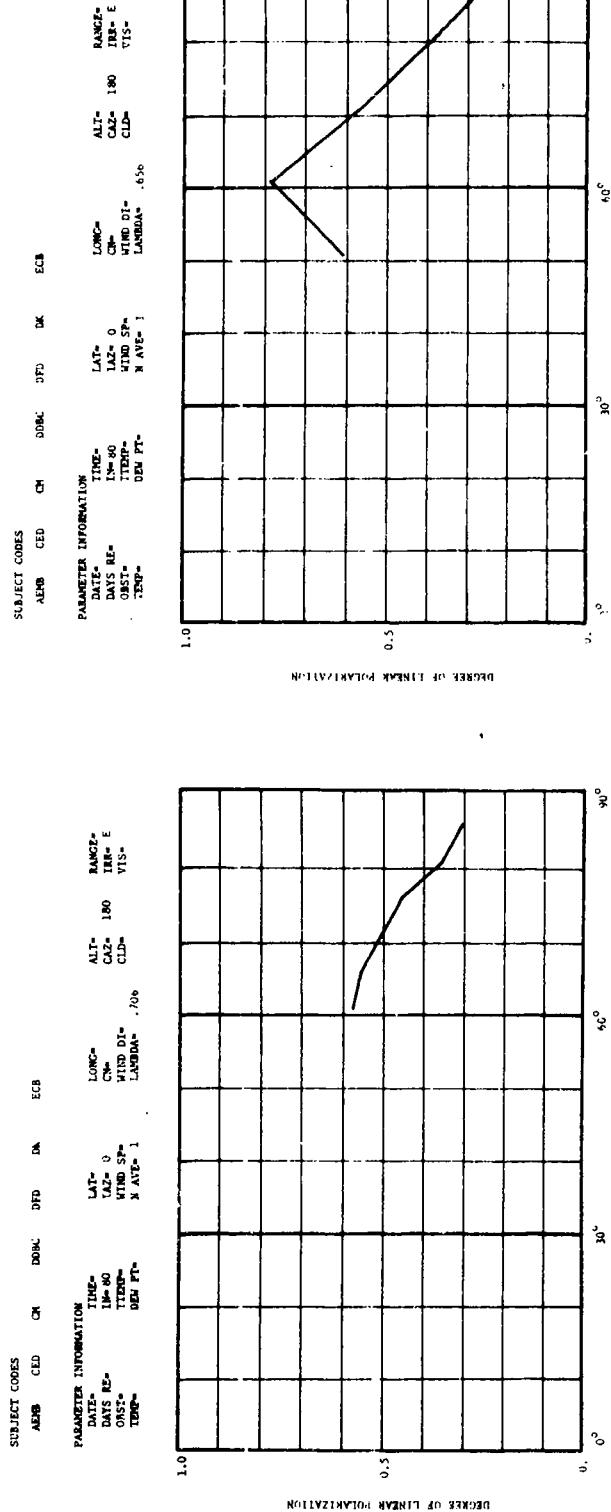
PARAMETER INFORMATION
DATE TIME^{*} LAT^{*} ALT^{*} RANGE^{*}
DAYS RE- 1M=60 LAT= 0 CLR= 180 TRK= E
GST- TTDO= WIND SP= 175^{*}
TEMP- DEP PT= N AVE= 1 WIND DI= LAMBDA= .147



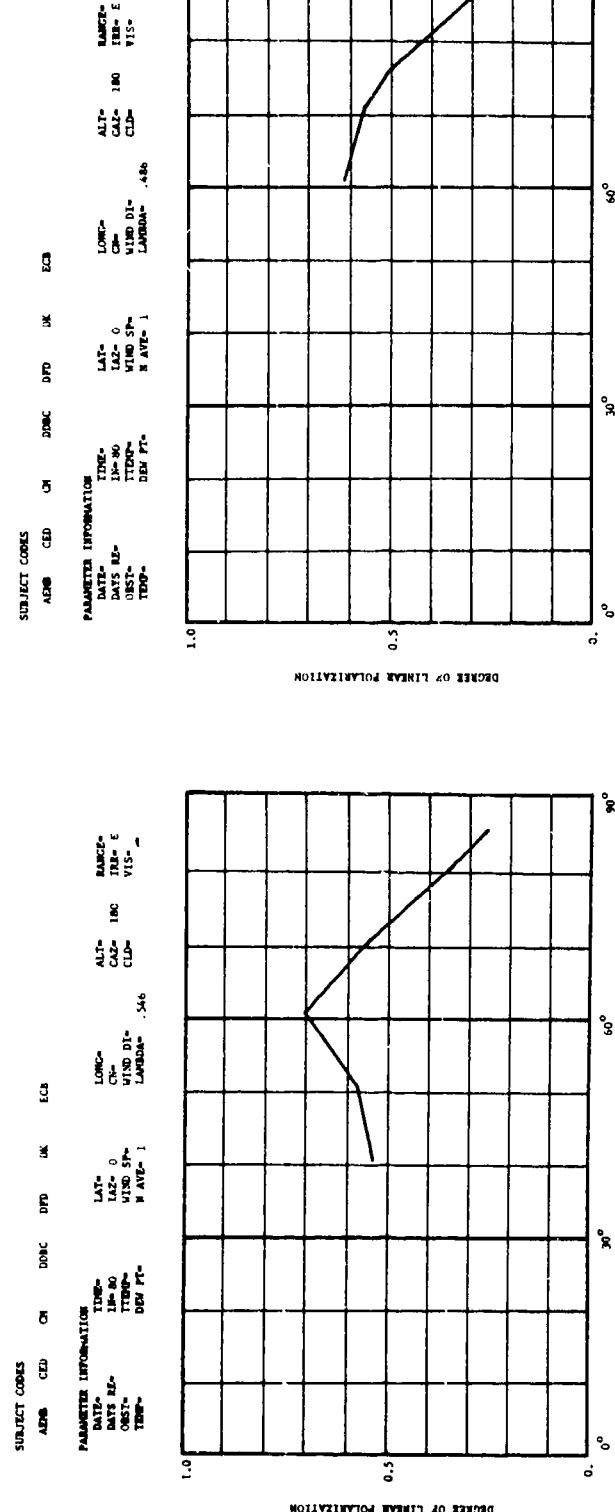
CONFIDENTIAL

AEM 26

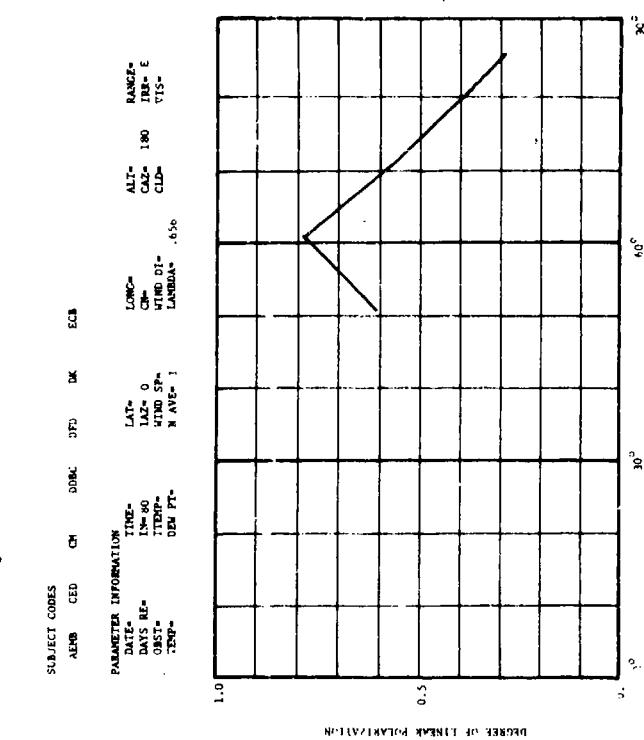
• B1364-074 Semigloss Marine Green Paint. (CONFIDENTIAL)



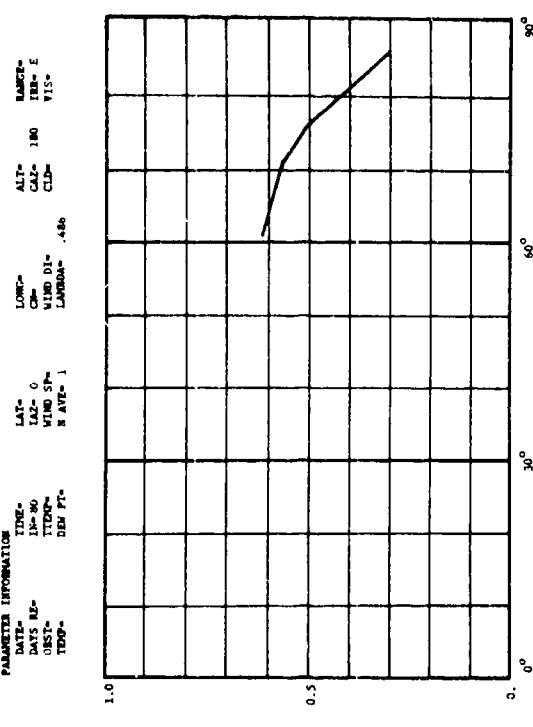
• B1364-076 Semigloss Marine Green Paint. (CONFIDENTIAL)



• B1364-075 Semigloss Marine Green Paint. (CONFIDENTIAL)



• B1364-077 Semigloss Marine Green Paint. (CONFIDENTIAL)



CONFIDENTIAL

CONFIDENTIAL

AEM 27

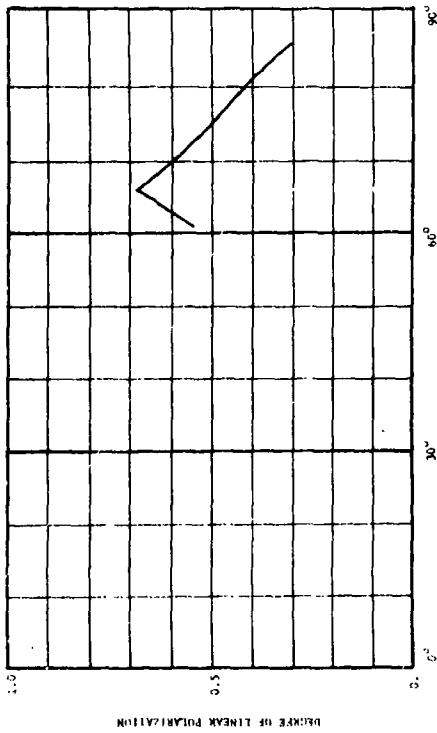
* 813864-075 Camouflage Green Paint. (CONFIDENTIAL)

Sensuous Marine Green Paint. (CONFIDENTIAL)

* 813864-092

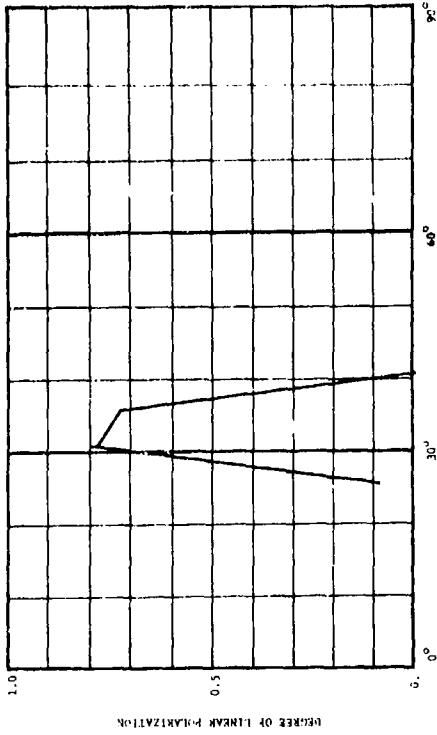
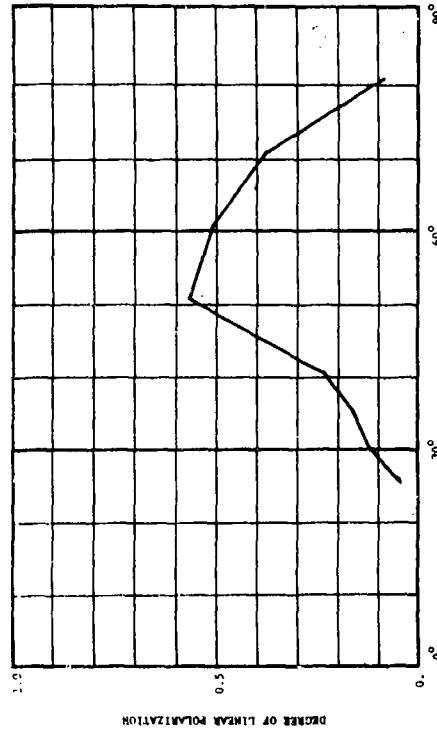
Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES					
AENB	CED	CM	DIBC	DPD	DN
PARAMETER INFORMATION					
DATE-	TIME-	LAT*	LONG*	ALT*	RANGE*
DAY'S RE-	IN=30	142° 0'	CH=	CAB= 180	TRIP= E
OBSR*-	TEMP=	WIND SP=	CLD=	VIS=	CLSP=
TEMP=	DEG FT=	N AVE= 1	LANDDA= .423		1.75

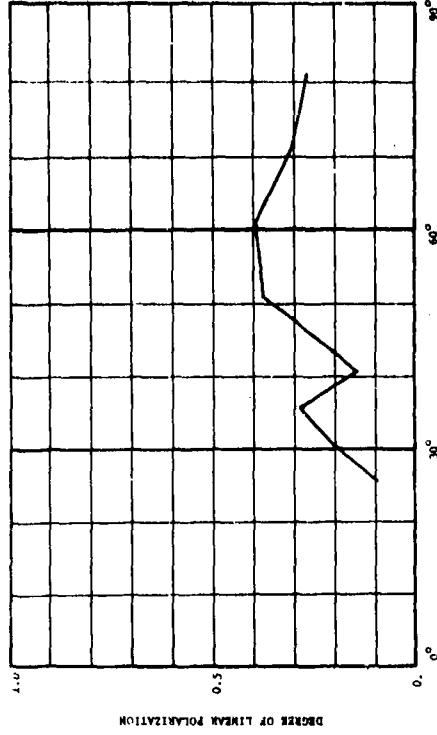


* 813864-093 Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES					
AENB	CED	CM	DIBC	DPD	DN
PARAMETER INFORMATION					
DATE-	TIME-	LAT*	LONG*	ALT*	RANGE*
DAY'S RE-	IN=30	142° 0'	CH=	CAB= 180	TRIP= E
OBSR*-	TEMP=	WIND SP=	CLD=	VIS=	CLSP=
TEMP=	DEG FT=	N AVE= 1	LANDDA= .56		1.75



SUBJECT CODES					
AENB	CED	CM	DIBC	DPD	DN
PARAMETER INFORMATION					
DATE-	TIME-	LAT*	LONG*	ALT*	RANGE*
DAY'S RE-	IN=30	142° 0'	CH=	CAB= 180	TRIP= E
OBSR*-	TEMP=	WIND SP=	CLD=	VIS=	CLSP=
TEMP=	DEG FT=	N AVE= 1	LANDDA= .56		1.75



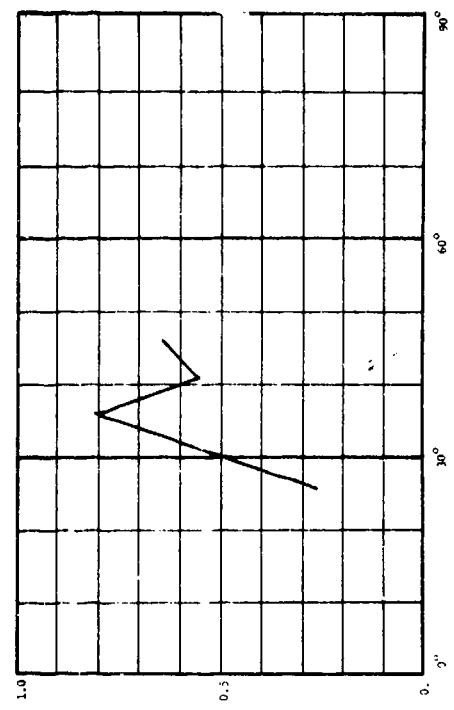
CONFIDENTIAL

AEM 28

* B1384-095 Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES					
AER	CED	CH	DPMC	DFO	IK

PARAMETER INFORMATION
DATE: TIME: LAT: LONG:
19-30 1000 0 0
DAYS RE-
OBS: WIND SP:
TEST: DEG FT:
N AVE: 1

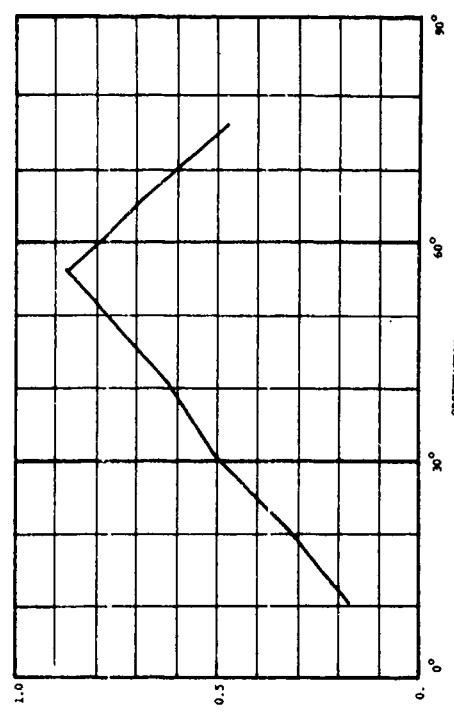


90° 60° 30° 0° 90° 60° 30° 0°

* B1384-097 Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES					
AER	CED	CH	DPMC	DFO	IK

PARAMETER INFORMATION
DATE: TIME: LAT: LONG:
19-40 1000 0 0
DAYS RE-
OBS: WIND SP:
TEST: DEG FT:
N AVE: 1

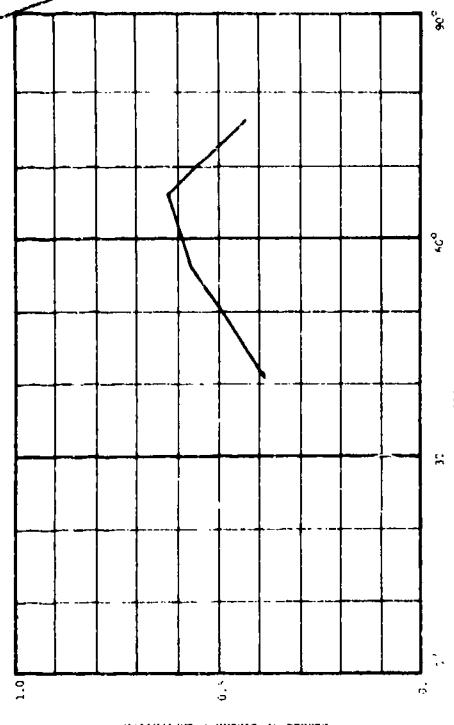


90° 60° 30° 0° 90° 60° 30° 0°

* B1384-096 Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES					
AER	CED	CH	DPMC	DFO	IK

PARAMETER INFORMATION
DATE: TIME: LAT: LONG:
19-30 1000 0 0
DAYS RE-
OBS: WIND SP:
TEST: DEG FT:
N AVE: 1

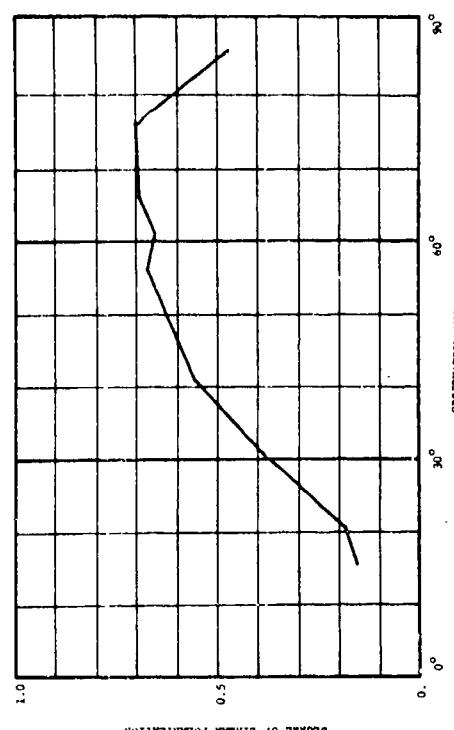


90° 60° 30° 0° 90° 60° 30° 0°

* B1384-098 Camouflage Green Paint. (CONFIDENTIAL)

SUBJECT CODES					
AER	CED	CH	DPMC	DFO	IK

PARAMETER INFORMATION
DATE: TIME: LAT: LONG:
19-40 1000 0 0
DAYS RE-
OBS: WIND SP:
TEST: DEG FT:
N AVE: 1



90° 60° 30° 0° 90° 60° 30° 0°

CONFIDENTIAL

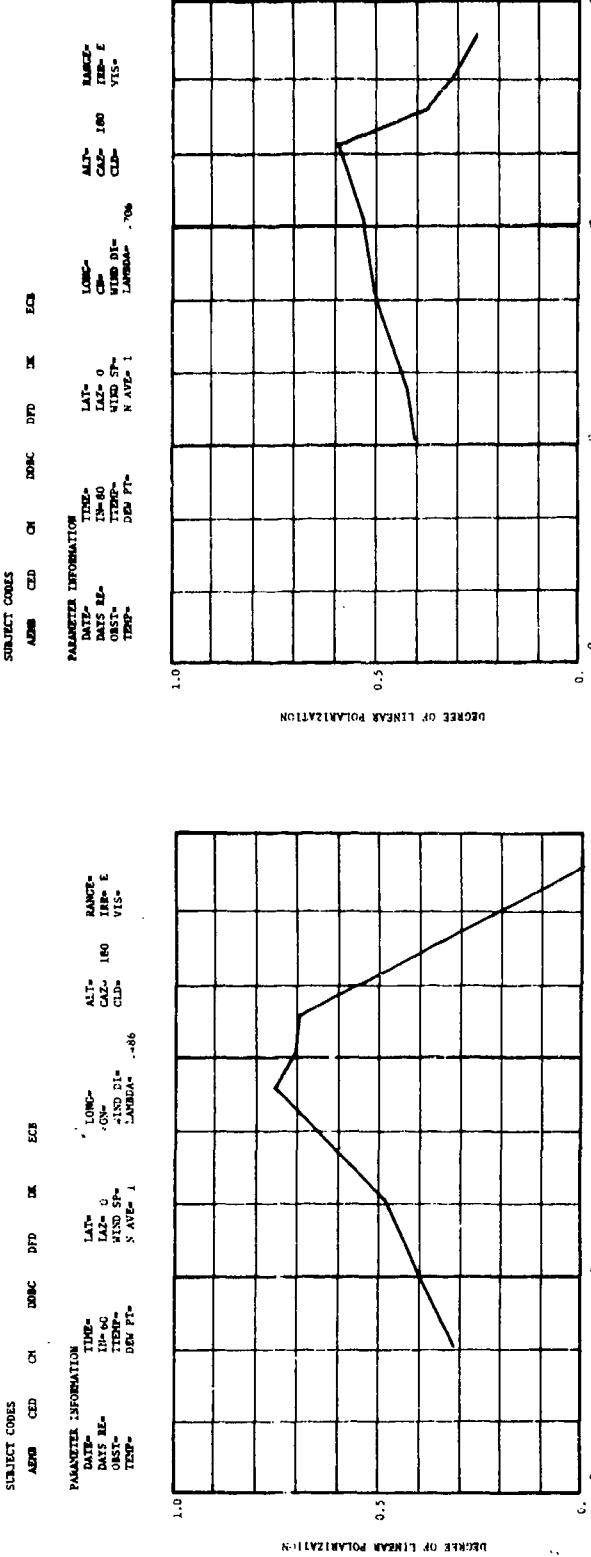
CONFIDENTIAL

ADM 20

* B13864-100 Camouflage Green Paint. (CONFIDENTIAL)

Camouflage Green Paint. (CONFIDENTIAL)

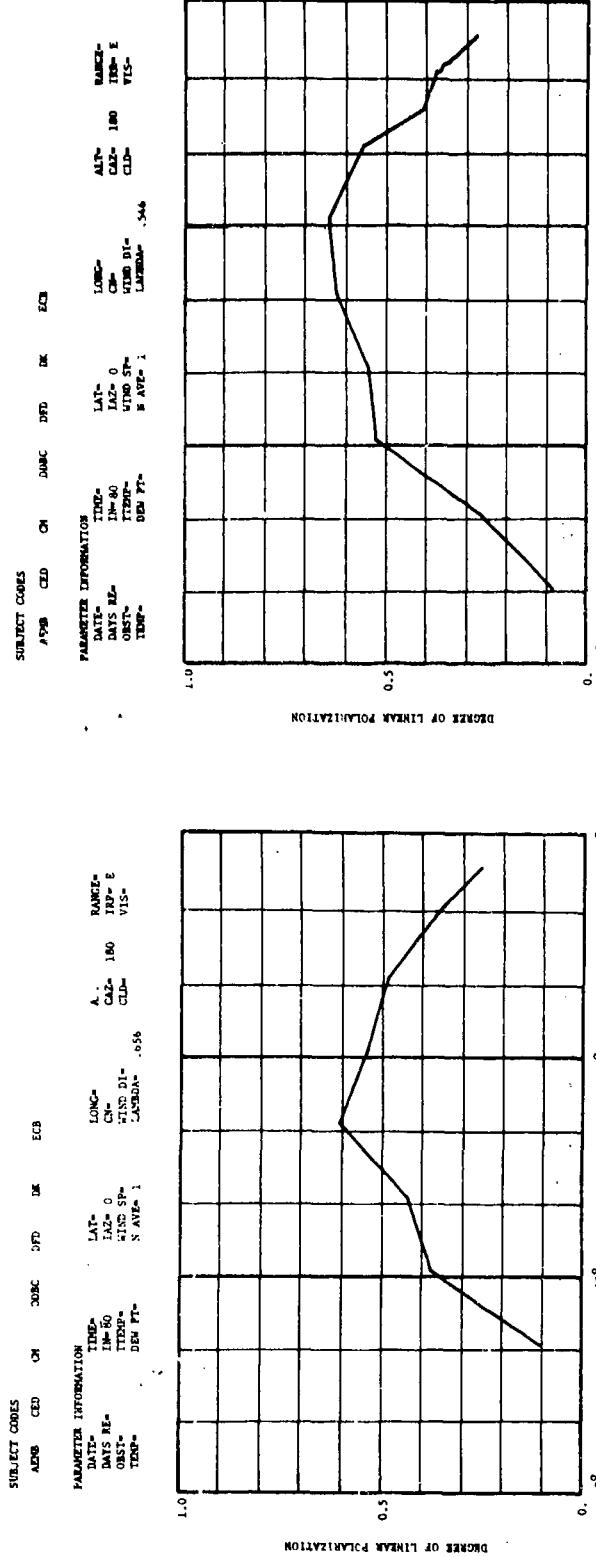
* B13864-100 Camouflage Green Paint. (CONFIDENTIAL)



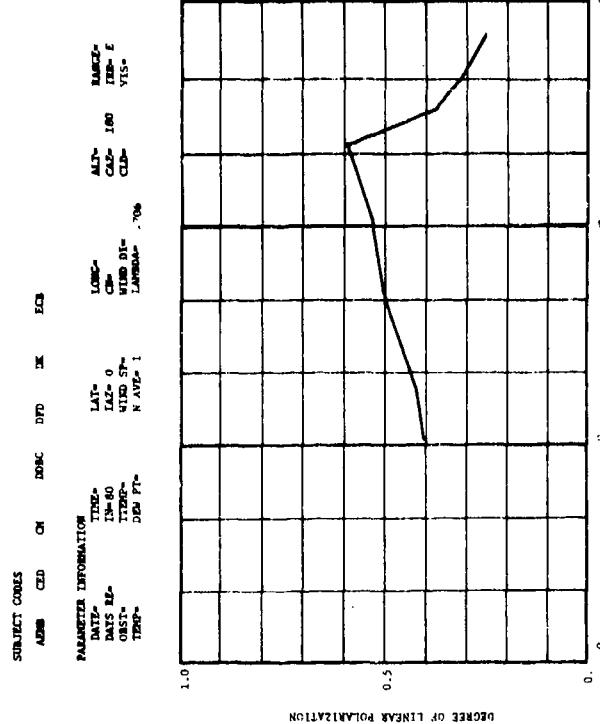
* B13864-101 Camouflage Green Paint. (CONFIDENTIAL)

Camouflage Green Paint. (CONFIDENTIAL)

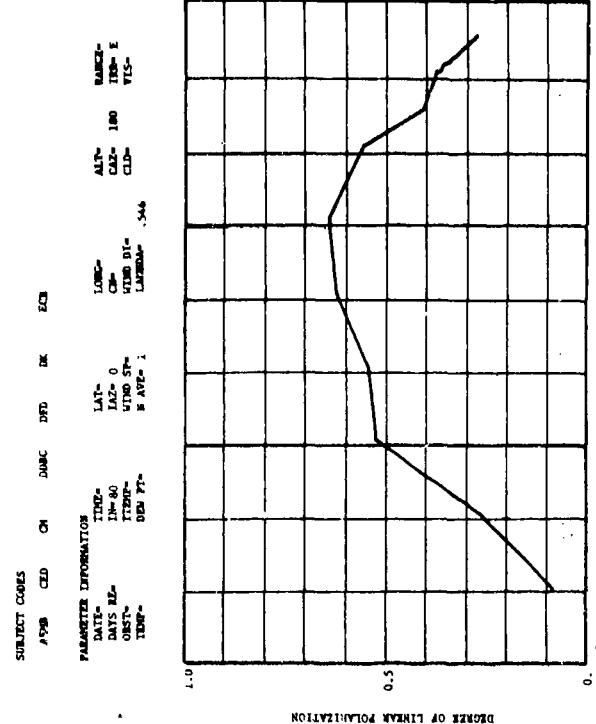
* B13864-101 Camouflage Green Paint. (CONFIDENTIAL)



* B13864-102 Camouflage Green Paint. (CONFIDENTIAL)



* B13864-102 Camouflage Green Paint. (CONFIDENTIAL)



CONFIDENTIAL

CONFIDENTIAL

AEM 30

* 11364-104 Camouflage Green Paint. (CONFIDENTIAL)

* 11364-103 Camouflage Green Paint. (CONFIDENTIAL)

* 11364-104 Camouflage Green Paint. (CONFIDENTIAL)

* 11364-105 Glossy Olive Drab Paint. (CONFIDENTIAL)

* 11364-106 Glossy Olive Drab Paint. (CONFIDENTIAL)

SUBJECT CODES

AEM

CED

CR

DNC

DPD

DK

ECA

PARAMETER INFORMATION

TIME-

DATE-

DAYs RE-

ONST-

TEMP-

DEG FTs-

11h-30

11m-0

11s-0

11d-0

11m-0

11s-0

11h-0

11m-0</p

CONFIDENTIAL

AEM 31

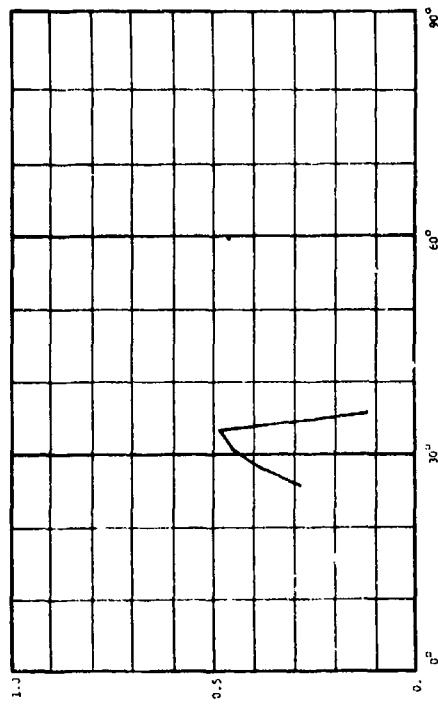
* B1364-107 Glossy Olive Drab Paint. (CONFIDENTIAL)

* B1364-108 Glossy Olive Drab Paint. (CONFIDENTIAL)

SUBJECT CODES
ABM EGBI CED CN DMC DTD DK ECR

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.544

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.544

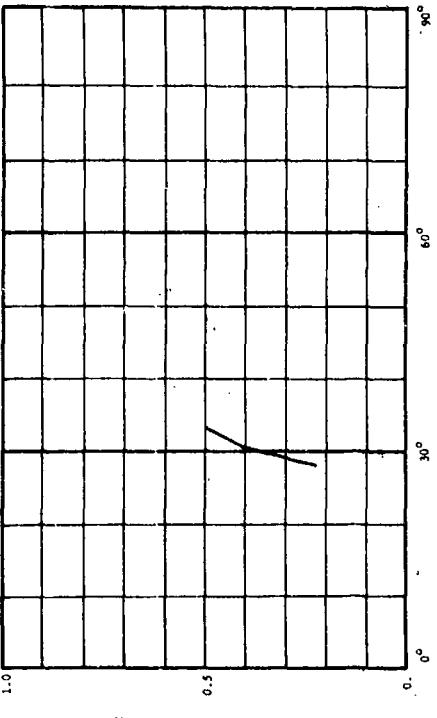


* B1364-109 Glossy Olive Drab Paint. (CONFIDENTIAL)

SUBJECT CODES
ABM EGBI CED CN DMC DTD DK ECR

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.423

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.423

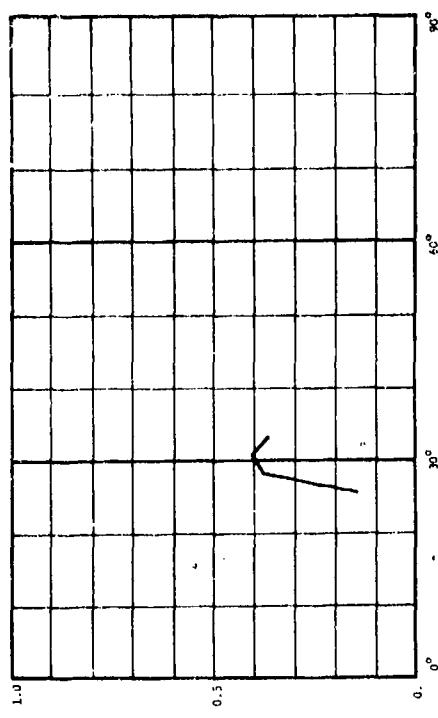


* B1364-110 Glossy Olive Drab Paint. (CONFIDENTIAL)

SUBJECT CODES
ABM EGBI CED CN DMC DTD DK ECR

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.544

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.544

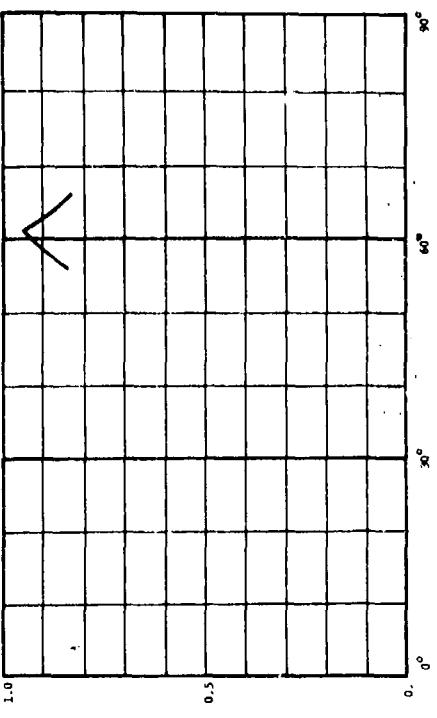


* B1364-111 Glossy Olive Drab Paint. (CONFIDENTIAL)

SUBJECT CODES
ABM EGBI CED CN DMC DTD DK ECR

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.706

PARAMETER INFORMATION
DATE 1200
TIME 1420 0
DAYS RE 150
OBSR 1100
TDRP 1000
WIND SP 0
WIND DI 0
LANDA 0.706



CONFIDENTIAL

CONFIDENTIAL

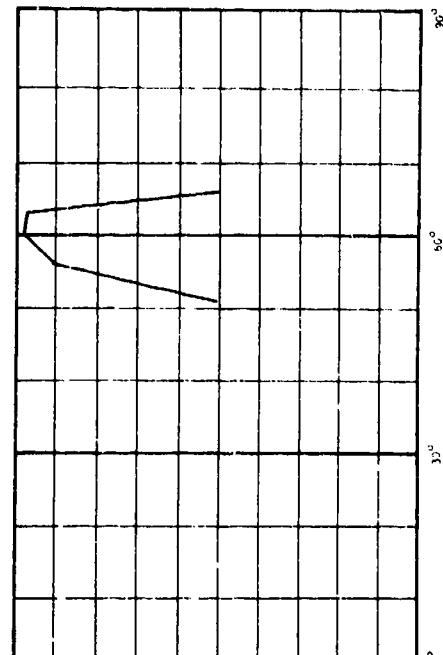
AFM 32

* B1364-111 Glossy Olive Drab Paint. (CONFIDENTIAL)

DEGREE OF LINEAR POLARIZATION

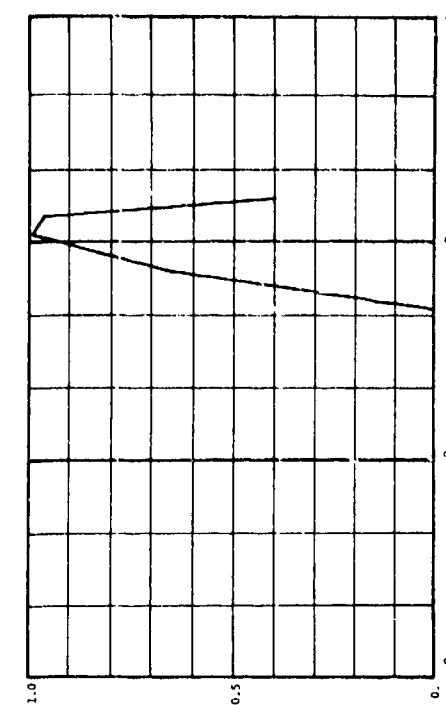
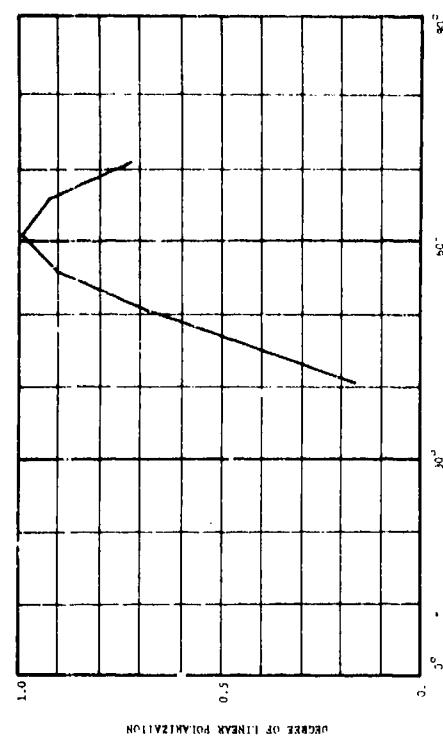
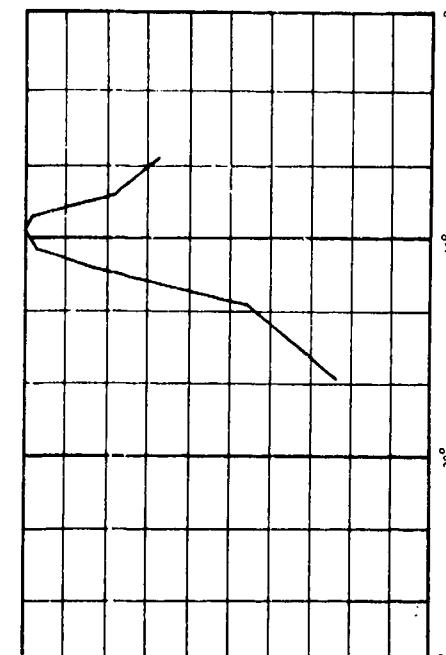
* B1364-112 Glossy Olive Drab Paint. (CONFIDENTIAL)

DEGREE OF LINEAR POLARIZATION



* B1364-113 Glossy Olive Drab Paint. (CONFIDENTIAL)

DEGREE OF LINEAR POLARIZATION



CONFIDENTIAL

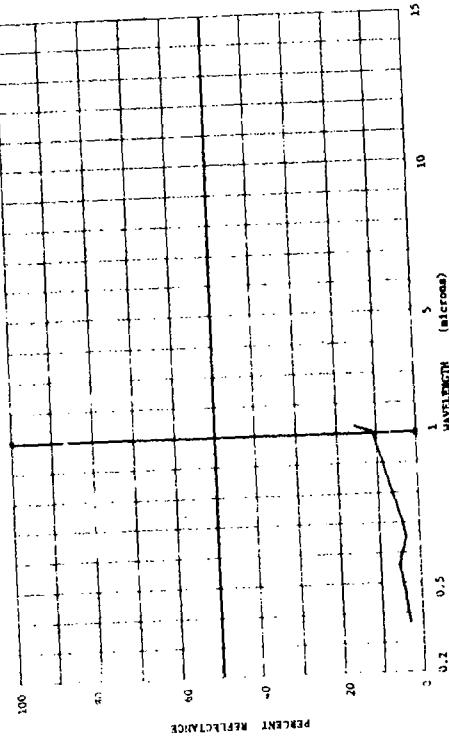
SECRET

ARM 33

* B13946-009 Tank Metal, Olive Drab, Dry. (SECRET)

SUBJECT CODES
AEMB ECDRI AEL CD CED DFA DFL DK EAD ECAD
ECCA

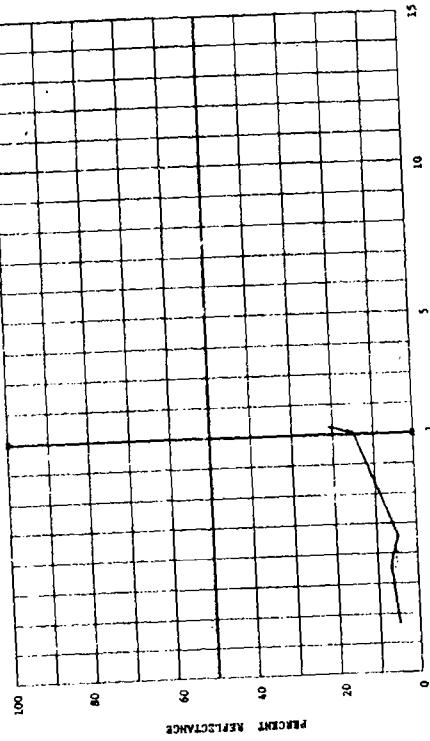
PARAMETER INFORMATION
DATE- 64 TIME-
10⁰⁰ LAT-
WIND SP-
N AVE- 1



* B13946-020 Tank Metal, Olive Drab, Wet and Dirty. (SECRET)

SUBJECT CODES
AEMB ECDRI AEL AEM CD CED DFA DFL DK EAD ECAD
ECCA

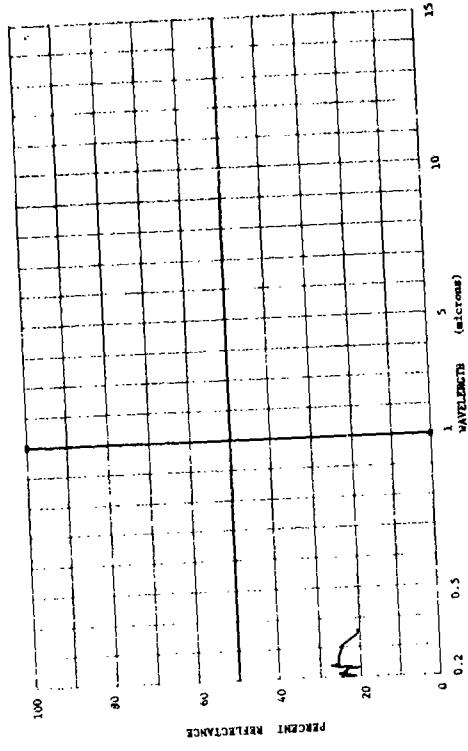
PARAMETER INFORMATION
DATE- 64 TIME-
10⁰⁰ LAT-
WIND SP-
N AVE- 1



* B13946-023 Steel Finished With Olive Drab Iridite. Specular. (SECRET)

SUBJECT CODES
AEMB ECDRI AEL AEM CED DFA DFL DK EAD ECAD
ECCA

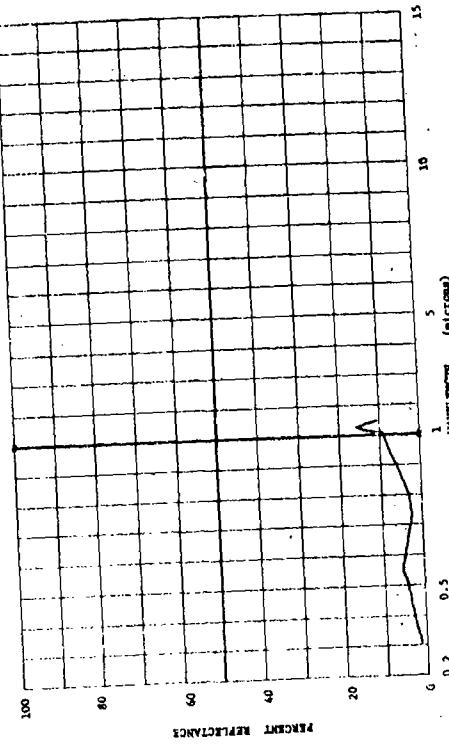
PARAMETER INFORMATION
DATE- 64 TIME-
10⁰⁰ LAT-
WIND SP-
N AVE- 1



* B13946-030 Tank Metal, Olive Drab, Dry. (SECRET)

SUBJECT CODES
AEMB ECDRI AEL CD CED DFA DFL DK EAD ECAD
ECCA

PARAMETER INFORMATION
DATE- 62 TIME-
10⁰⁰ LAT-
WIND SP-
N AVE- 1

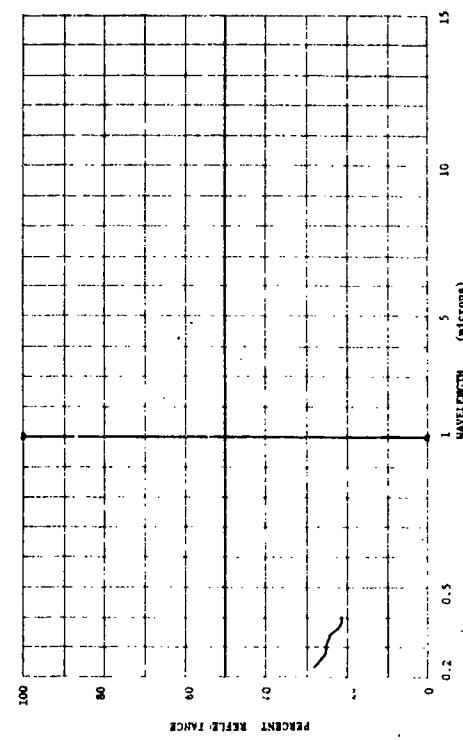


CONFIDENTIAL

AEM 34

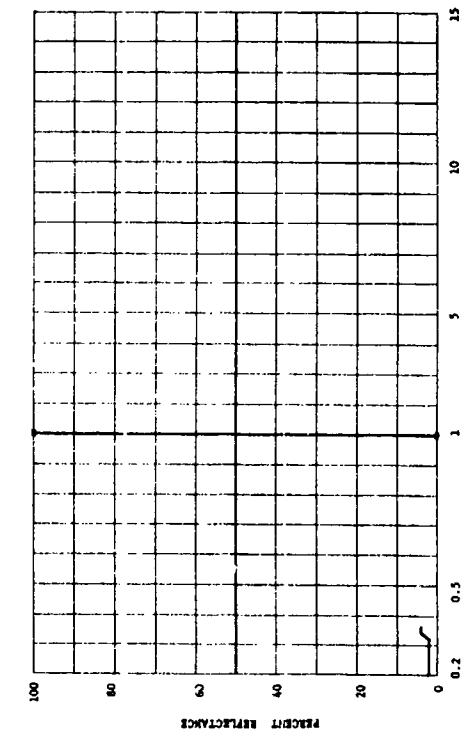
* B14004-002 Olive Drab Paint (MIL Std 34127) on Wood. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION		PARAMETER INFORMATION		SUBJECT CODES	
AEM	ECB1	AET	CED	DPA	DPCD	DK	ECAC
				LAT ⁿ WIND SP ⁿ N AVE= 1	LONG ⁿ CH ⁿ WIND DI ⁿ	ALT ⁿ CAL ⁿ CLD ⁿ	RANGE ⁿ IR ⁿ VIS ⁿ



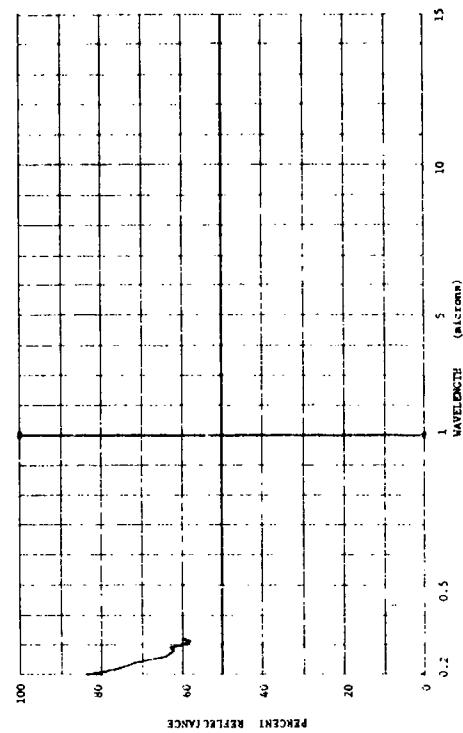
* B14004-004 Olive Drab Paint (MIL Std 34127) on Wood. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION		PARAMETER INFORMATION		SUBJECT CODES	
AEM	ECB1	AET	CED	DPA	DPCD	DK	ECAC
				LAT ⁿ WIND SP ⁿ N AVE= 1	LONG ⁿ CH ⁿ WIND DI ⁿ	ALT ⁿ CAL ⁿ CLD ⁿ	RANGE ⁿ IR ⁿ VIS ⁿ



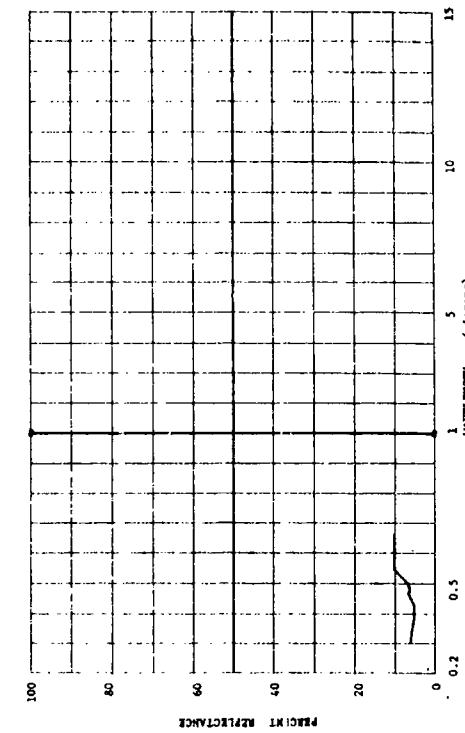
* B14004-003 Olive Drab Paint (MIL Std 34127) on Metal. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION		PARAMETER INFORMATION		SUBJECT CODES	
AEM	ECB1	AET	CED	DPA	DPCD	DK	ECAC
				LAT ⁿ WIND SP ⁿ N AVE= 1	LONG ⁿ CH ⁿ WIND DI ⁿ	ALT ⁿ CAL ⁿ CLD ⁿ	RANGE ⁿ IR ⁿ VIS ⁿ



* B14004-054 Olive Drab Paint on Wood. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION		PARAMETER INFORMATION		SUBJECT CODES	
AEM	ECB1	AET	CED	DPA	DPCD	DK	ECAC
				LAT ⁿ WIND SP ⁿ N AVE= 1	LONG ⁿ CH ⁿ WIND DI ⁿ	ALT ⁿ CAL ⁿ CLD ⁿ	RANGE ⁿ IR ⁿ VIS ⁿ



CONFIDENTIAL

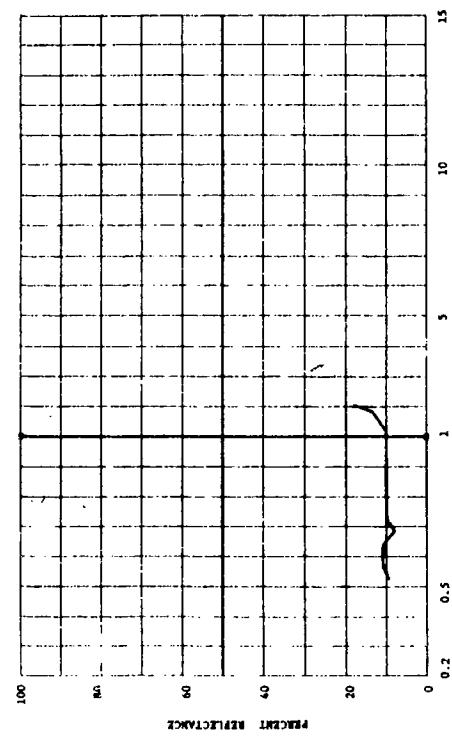
CONFIDENTIAL

ARM 38

• 114004-071. Olive Drab Paint, Military Standard 34127, on Wood. (CONFIDENTIAL)

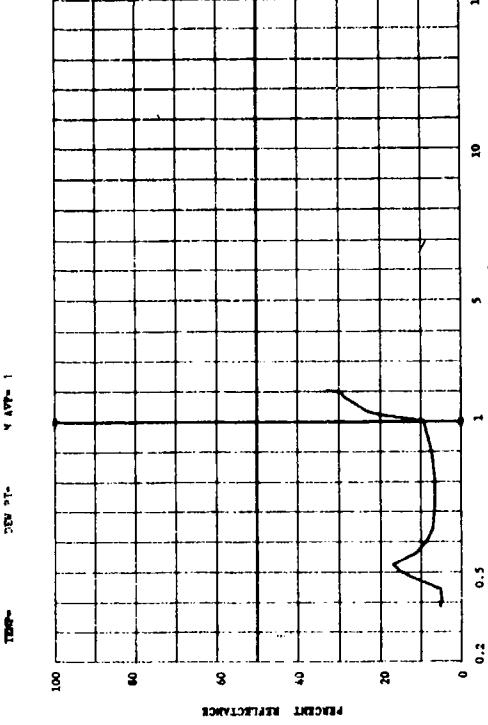
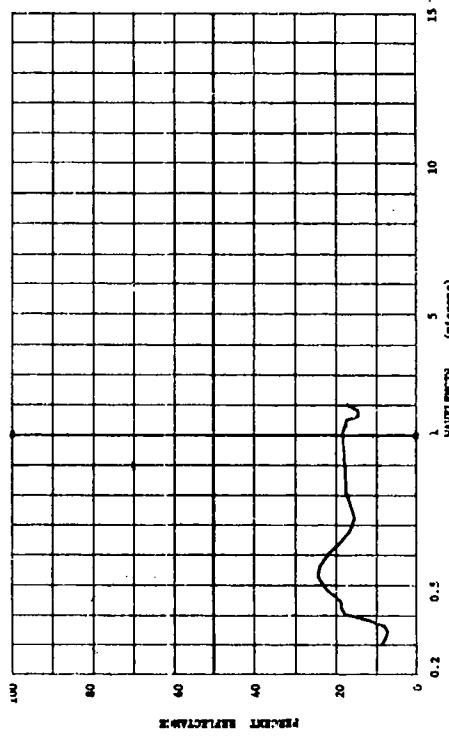
• 114004-074. Green Paint, Military Standard 34106, on Wood. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION										SUBJECT CODES		PARAMETER INFORMATION									
ABM	ECB	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB	ABM	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
ECA	ECC	ECC	ECC							ECA	ECC	ECC	ECC	ECC	ECC	ECC	ECC	ECC					
PARAMETER INFORMATION	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	RANGE-	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					



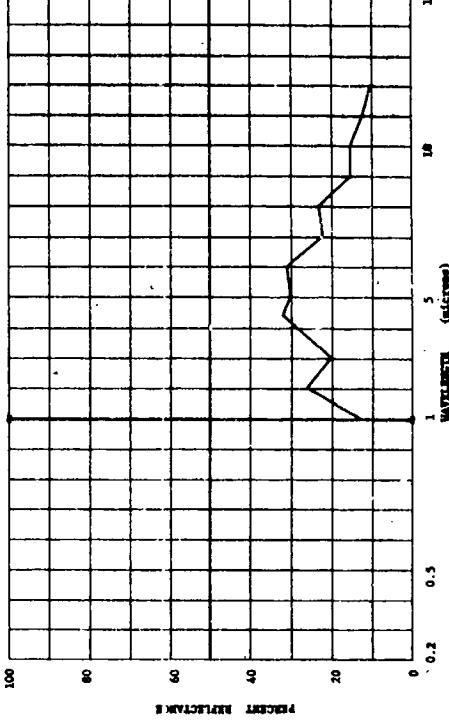
• 114004-075. Grey Green Paint, Military Standard 34127, on Wood. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION										SUBJECT CODES		PARAMETER INFORMATION									
ABM	ECB	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB	ABM	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
ECA	ECC	ECC	ECC							ECA	ECC	ECC	ECC	ECC	ECC	ECC	ECC	ECC					
PARAMETER INFORMATION	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	RANGE-	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					



SUBJECT CODES		PARAMETER INFORMATION										SUBJECT CODES		PARAMETER INFORMATION									
ABM	ECB	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB	ABM	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
ECA	ECC	ECC	ECC							ECA	ECC	ECC	ECC	ECC	ECC	ECC	ECC	ECC					
PARAMETER INFORMATION	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	RANGE-	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					

SUBJECT CODES		PARAMETER INFORMATION										SUBJECT CODES		PARAMETER INFORMATION									
ABM	ECB	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB	ABM	ART	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
ECA	ECC	ECC	ECC							ECA	ECC	ECC	ECC	ECC	ECC	ECC	ECC	ECC					
PARAMETER INFORMATION	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	RANGE-	DATEP- 64	TIME- 14h	LAT-	LONG-	ALT-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	DATE- 12/0	TIME- 14h	TAP-	CH-	CAP-	TELE-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					
TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	TEMP-	URST-	URST-	VIND SP-	VIND DI-	VIND DI-	VIND DI-	CD	DFAB	DPCD	DK	EDAC	ROAD	SCB					



CONFIDENTIAL

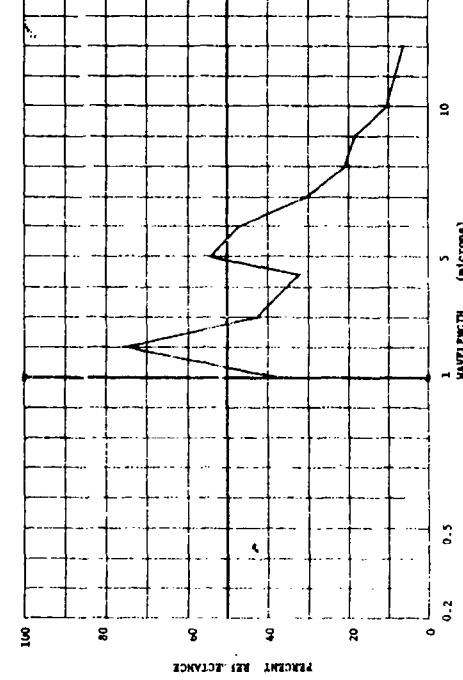
* B13501-008

Lacquer, White, On Mild Steel, Full Gloss. (CONFIDENTIAL)

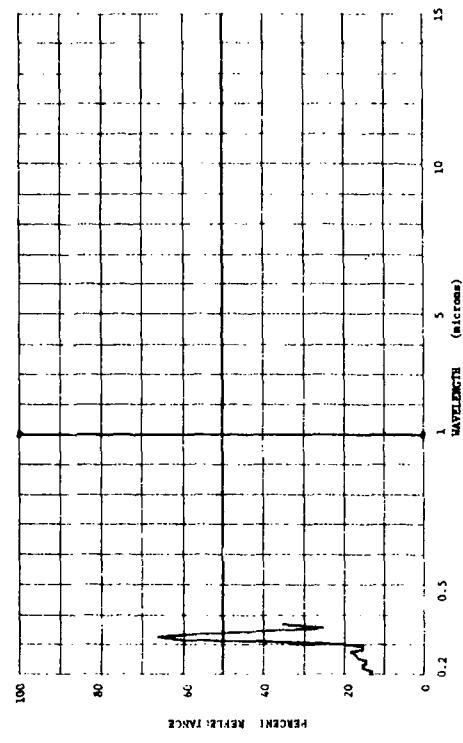
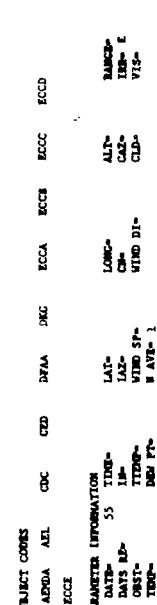
* B13501-022 Steel Finished With Gold Iridite, Specular. (SECRET)

AEM 36

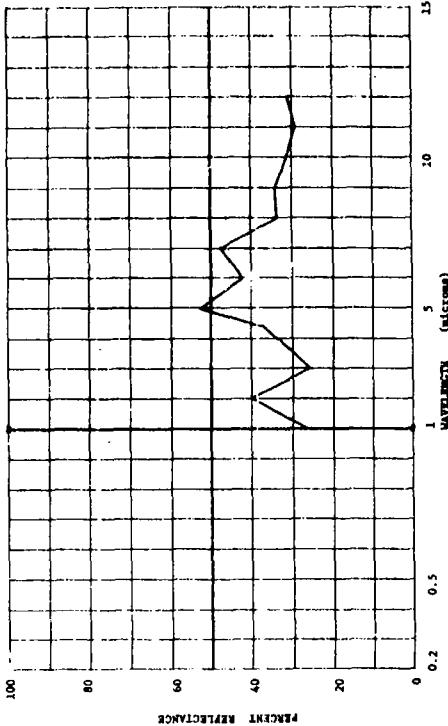
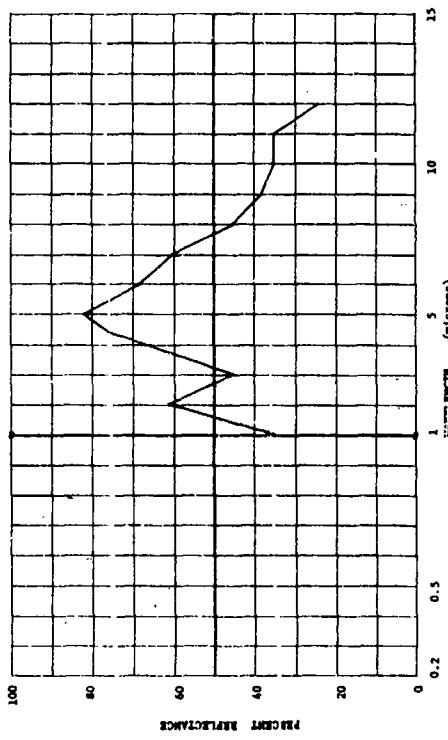
SECRET



* B13501-011 High Temperature Aluminum Paint, Aluminum, On Mild Steel, Semi-Gloss. (CONFIDENTIAL)



* B13501-011 High Temperature Aluminum Paint, Aluminum, On Mild Steel. (CONFIDENTIAL)



SECRET

SECRET

ADM 27

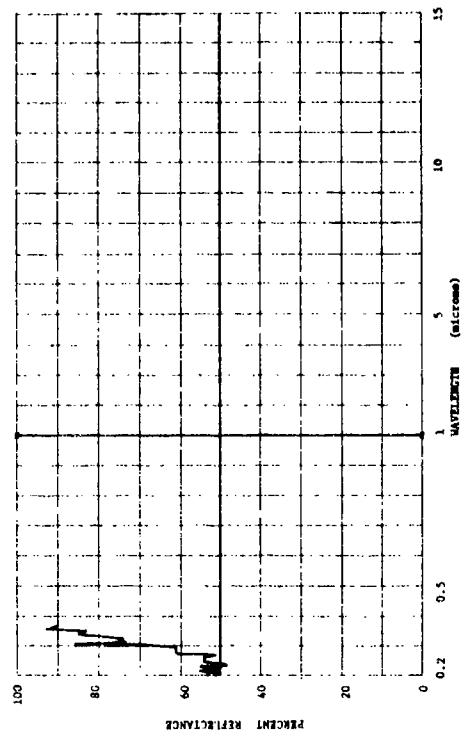
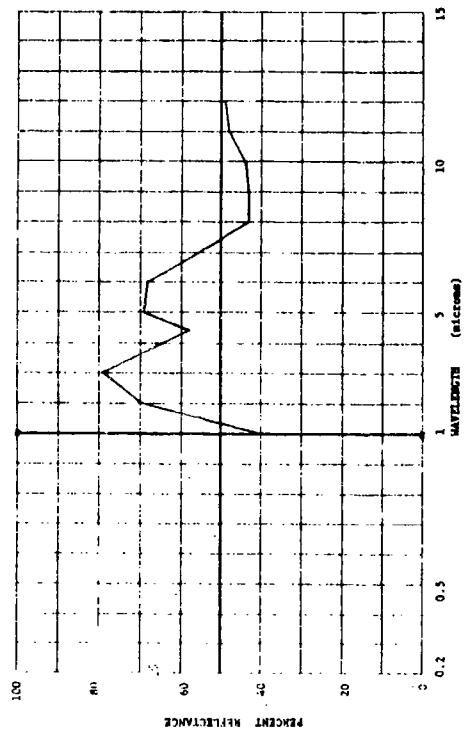
• B13901-012 Aluminum Enamel, Aluminum, on Mild Steel, Full Glaze. (CONFIDENTIAL)

• B13946-021 Steel Finished With Clear Iridite, Specular. (SECRET)

SUBJECT CODES						SUBJECT CODES					
AENDA	AEL	CDC	CEC	DFAA	DAG	AENDA	ECCB	ECCD	ECCF	ECCG	ECCH
ECCE						ECCE					

PARAMETER INFORMATION

DATE= 55	TIME= 1420	LAT= 40°	LONG= 120° E	ALT= 1000	WIND SP= 10
DAY RE= 0507	TIME= 1420	LONG= 120° E	ALT= 1000	WIND DI= 000	WIND DIR= 000
TEST= DRY	TIME= 1420	LONG= 120° E	ALT= 1000	WIND SP= 10	WIND DIR= 000
TOP= 1	TIME= 1420	LONG= 120° E	ALT= 1000	WIND DI= 000	WIND DIR= 000



SECRET

AEO
TARGET MATERIALS
Plastic

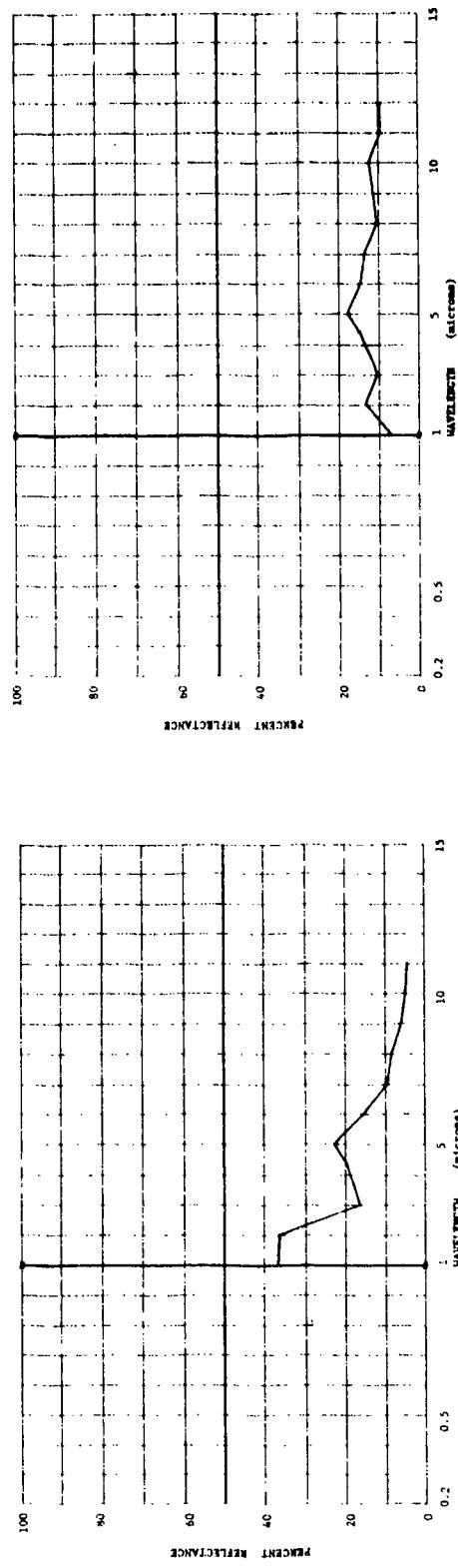
CONFIDENTIAL

AEO 1

* B1350-047 Vinyl Resin, White, On Nylon, Medium Cloth Grains. (CONFIDENTIAL)

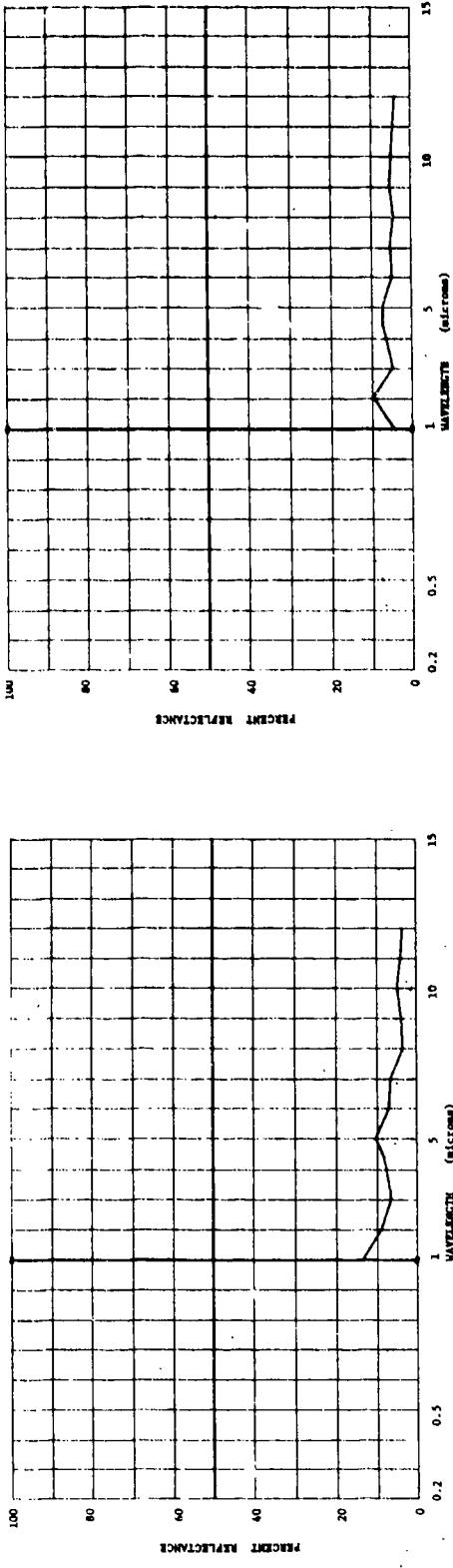
* B1350-047 Vinyl Resin, Non-Spectular Blue, On Nylon, Medium Cloth Grains. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION						PARAMETER INFORMATION						
AEC	EGRB	CDC	CDG	DFAA	DEC	ECCA	ECCC	ECDD	ALT ⁿ	CAR ⁿ	RANGE ⁿ	ALT ⁿ	CAR ⁿ	RANGE ⁿ
ECCB									TAZ ⁿ	CLB ⁿ	TIR ⁿ	TAZ ⁿ	CLB ⁿ	TIR ⁿ
								WIND SP ⁿ	WIND DI ⁿ	VIS ⁿ	WIND SP ⁿ	WIND DI ⁿ	VIS ⁿ	
								N AVE ⁿ			N AVE ⁿ			



* B1350-048 Vinyl Resin, Olive Drab, On Nylon, Medium Cloth Grains. (CONFIDENTIAL)

SUBJECT CODES		PARAMETER INFORMATION						PARAMETER INFORMATION						
AEC	EGRB	CDC	CDG	DFAA	DEC	ECCA	ECCC	ECDD	ALT ⁿ	CAR ⁿ	RANGE ⁿ	ALT ⁿ	CAR ⁿ	RANGE ⁿ
ECCB									TAZ ⁿ	CLB ⁿ	TIR ⁿ	TAZ ⁿ	CLB ⁿ	TIR ⁿ
								WIND SP ⁿ	WIND DI ⁿ	VIS ⁿ	WIND SP ⁿ	WIND DI ⁿ	VIS ⁿ	
								N AVE ⁿ			N AVE ⁿ			

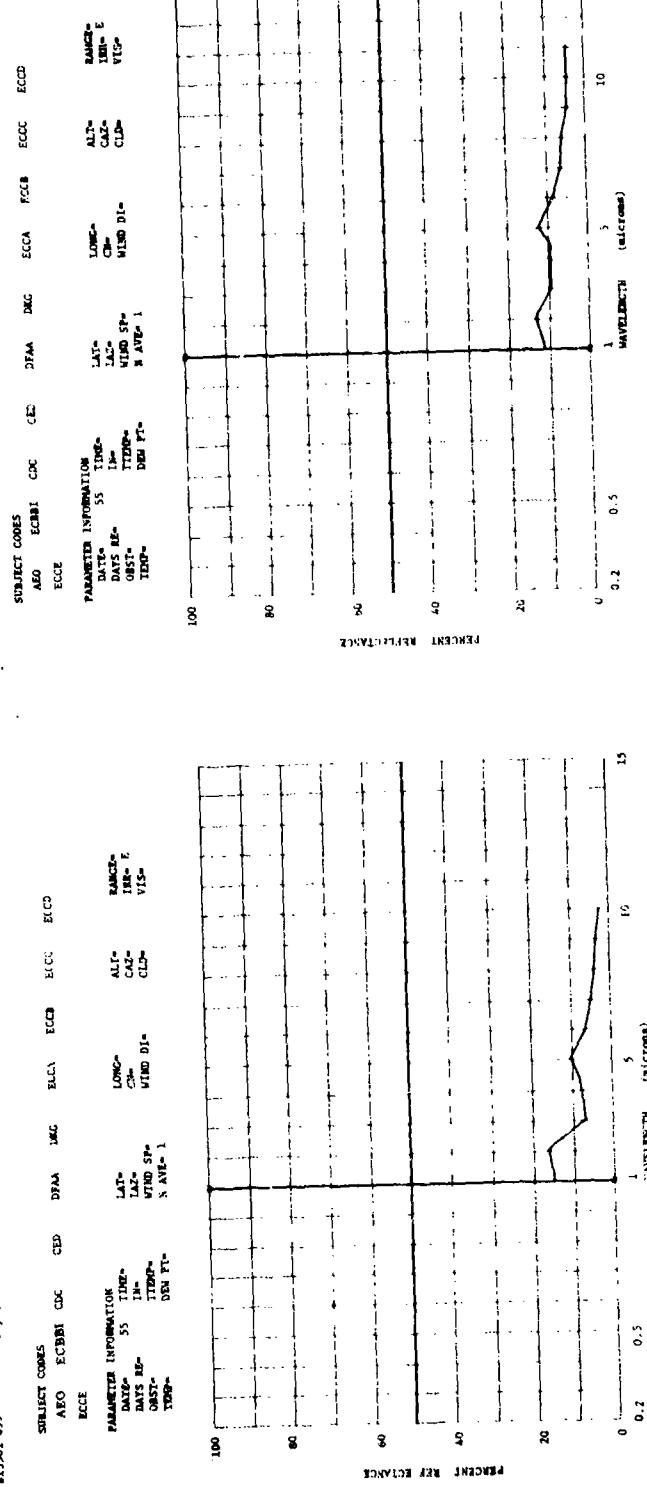


CONFIDENTIAL

CONFIDENTIAL

AEO 2

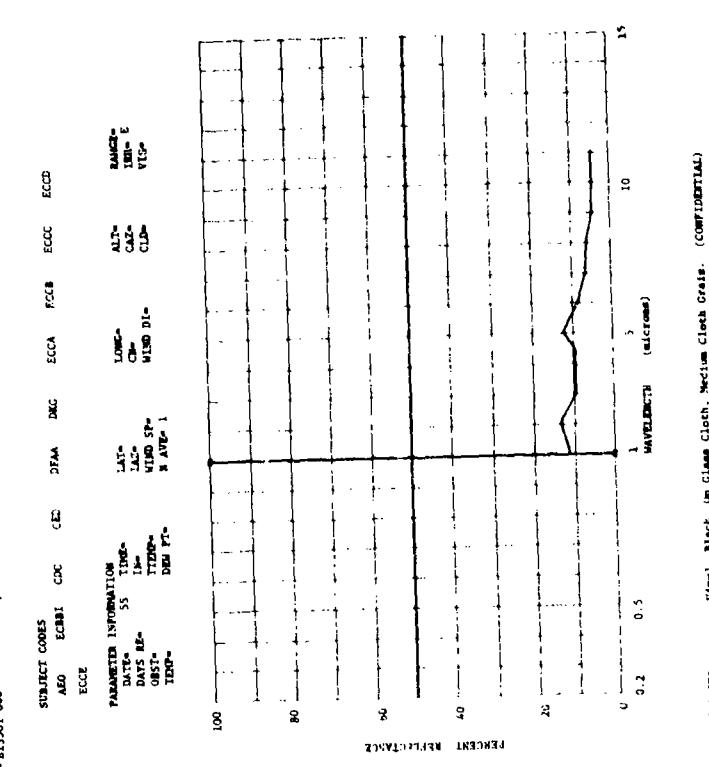
• B13501-059 Vinyl, Olive Drab, Un Coated, Fine Cloth Grain. (CONFIDENTIAL)



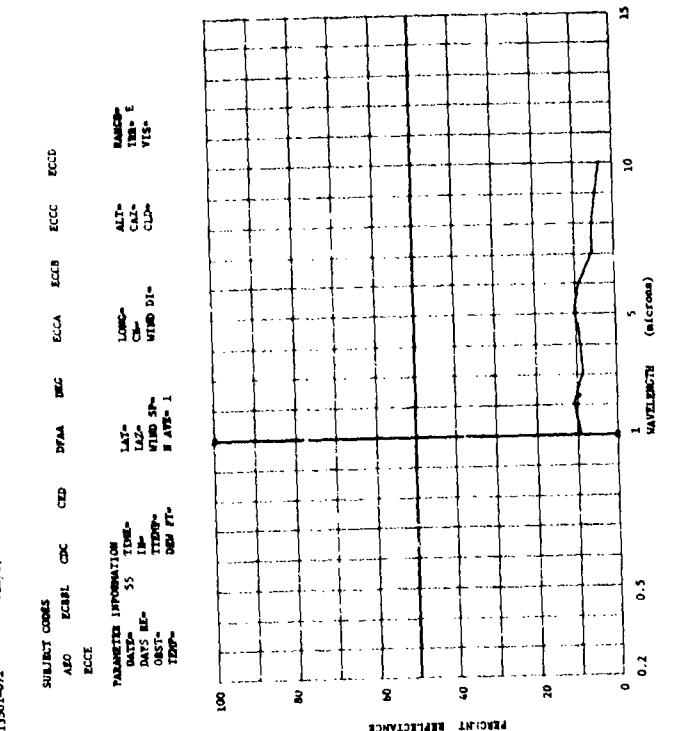
• B13501-070 Silicone, Gray, Un Coated, Fine Cloth Grain. (CONFIDENTIAL)



• B13501-060 Vinyl, Olive Drab, Un Cotton, Coarse Cloth Grain. (CONFIDENTIAL)



• B13501-072 Vinyl, Black, Un Coated, Medium Cloth Grass. (CONFIDENTIAL)



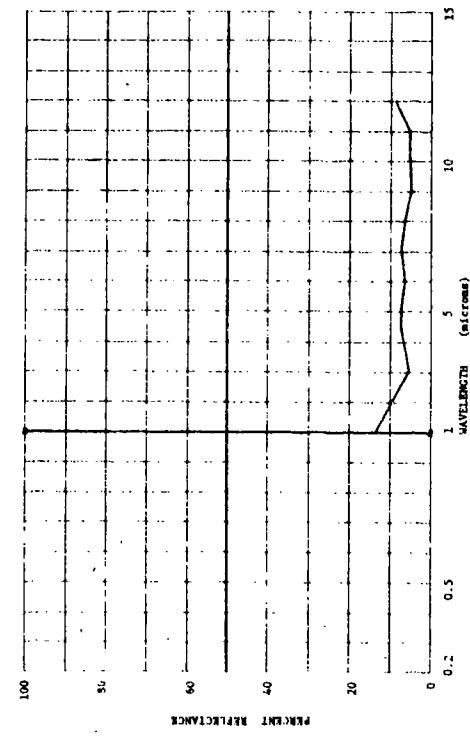
CONFIDENTIAL

AEP
TARGET MATERIALS
Rubber

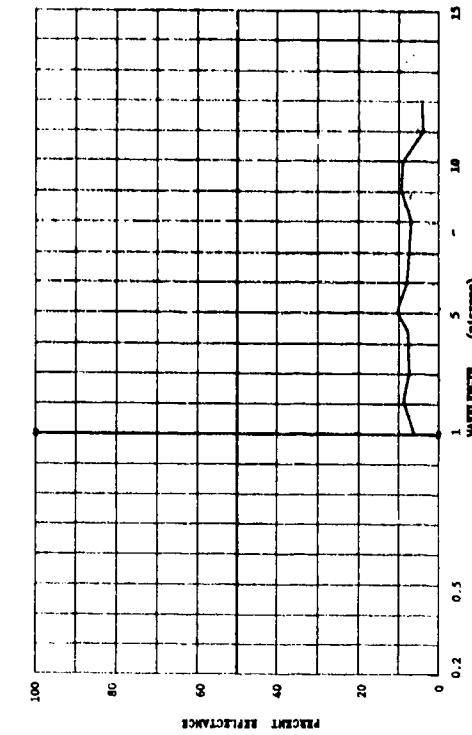
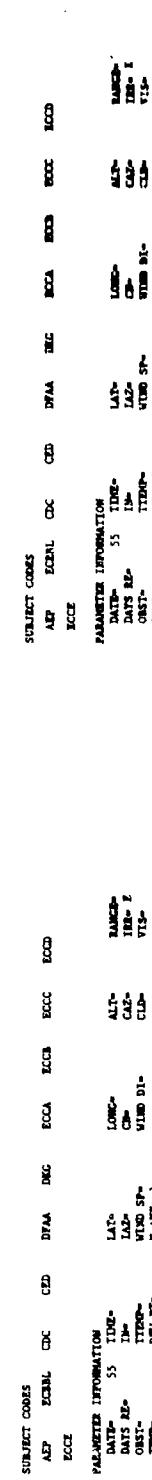
CONFIDENTIAL

AFP 1

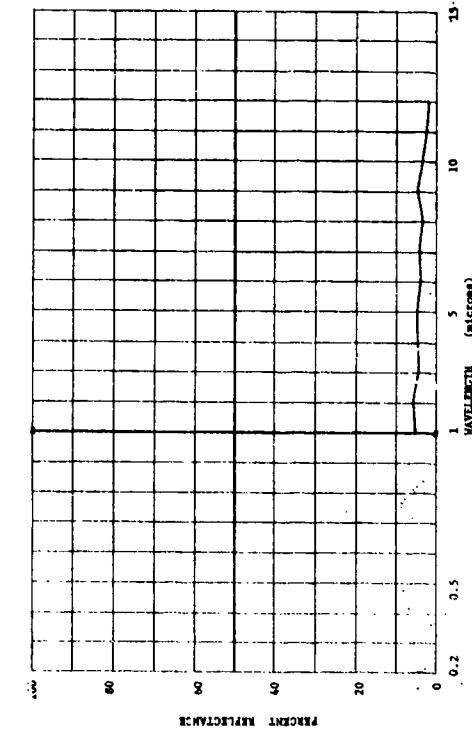
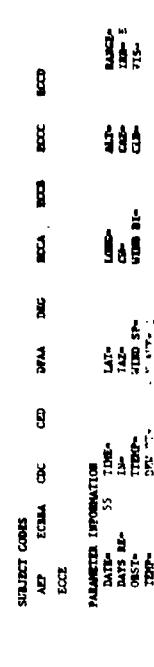
• B13501-056 Neoprene, Olive Drab, On Nylon, Fine Cloth Grain. (CONFIDENTIAL)



• B13501-053 Neoprene, Black, On Nylon, Medium Cloth Grain. (CONFIDENTIAL)



• B13501-052 Neoprene, Non-Specular Blue, On Nylon, Medium Cloth Grain. (CONFIDENTIAL)



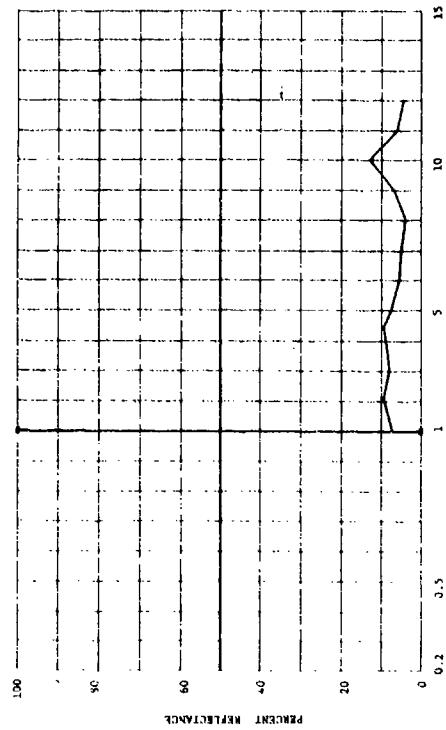
CONFIDENTIAL

CONFIDENTIAL

AEP 3

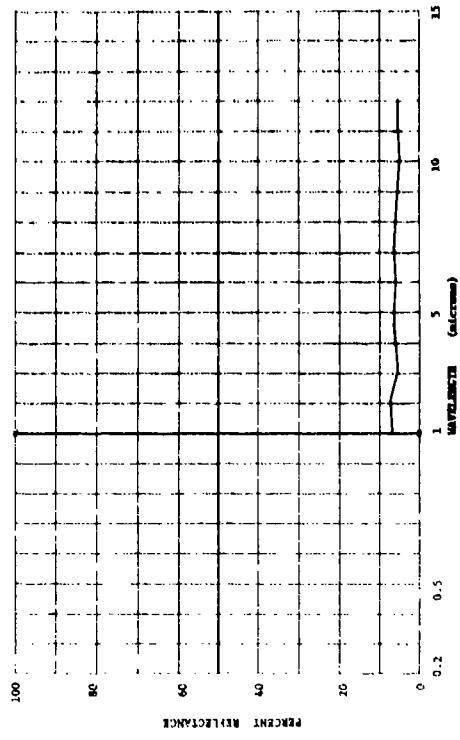
* B13501-062 Suspense, Black, On Cotton Cloth, Fine Clock Cloth. (CONFIDENTIAL)

SUBJECT CODES	AFP	ECAAL	CDC	CED	DMA	DMC	ECDA	EDC	EDOC	ECOC	ECOD	ECOC	ECOD	EDOC	EDC	ECDA	DMC	DMC	EDC	EDC	EDOC	EDOC
ECE																						
PARAMETER INFORMATION		DATE- 55 TIME- 13 ^h		LAT- 10 ^o 45'		LONG- 100 ^o E		ALT- 1000		CAP- CLIP-		RADAR- VTS-		ALR- CAP-		MNR- VTS-						
DAY- RE- 0831		UTMD SP- 0000 PT-		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S				
DST- 0000 PT-		AVE- 1																				

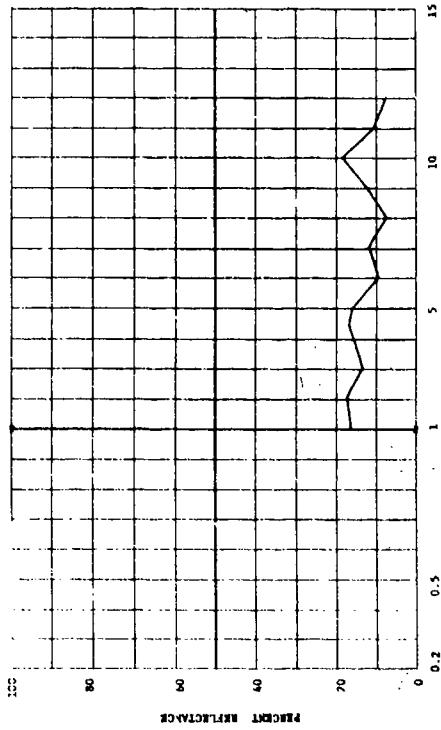


* B13501-063 Suspense, Black, On Cotton Cloth, Fine Clock Cloth. (CONFIDENTIAL)

SUBJECT CODES	AFP	ECAAL	CDC	CED	DMA	DMC	ECDA	EDC	EDOC	ECOC	ECOD	ECOC	ECOD	EDOC	EDC	ECDA	DMC	DMC	EDC	EDC	EDOC	EDOC
ECE																						
PARAMETER INFORMATION		DATE- 55 TIME- 13 ^h		LAT- 10 ^o 45'		LONG- 100 ^o E		ALT- 1000		CAP- CLIP-		RADAR- VTS-		ALR- CAP-		MNR- VTS-						
DAY- RE- 0831		UTMD SP- 0000 PT-		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S				
DST- 0000 PT-		AVE- 1																				



SUBJECT CODES	AFP	ECAAL	CDC	CED	DMA	DMC	ECDA	EDC	EDOC	ECOC	ECOD	ECOC	ECOD	EDOC	EDC	ECDA	DMC	DMC	EDC	EDC	EDOC	EDOC
ECE																						
PARAMETER INFORMATION		DATE- 55 TIME- 13 ^h		LAT- 10 ^o 45'		LONG- 100 ^o E		ALT- 1000		CAP- CLIP-		RADAR- VTS-		ALR- CAP-		MNR- VTS-						
DAY- RE- 0831		UTMD SP- 0000 PT-		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S				
DST- 0000 PT-		AVE- 1																				



SUBJECT CODES	AFP	ECAAL	CDC	CED	DMA	DMC	ECDA	EDC	EDOC	ECOC	ECOD	ECOC	ECOD	EDOC	EDC	ECDA	DMC	DMC	EDC	EDC	EDOC	EDOC
ECE																						
PARAMETER INFORMATION		DATE- 55 TIME- 13 ^h		LAT- 10 ^o 45'		LONG- 100 ^o E		ALT- 1000		CAP- CLIP-		RADAR- VTS-		ALR- CAP-		MNR- VTS-						
DAY- RE- 0831		UTMD SP- 0000 PT-		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S				
DST- 0000 PT-		AVE- 1																				

SUBJECT CODES	AFP	ECAAL	CDC	CED	DMA	DMC	ECDA	EDC	EDOC	ECOC	ECOD	ECOC	ECOD	EDOC	EDC	ECDA	DMC	DMC	EDC	EDC	EDOC	EDOC
ECE																						
PARAMETER INFORMATION		DATE- 55 TIME- 13 ^h		LAT- 10 ^o 45'		LONG- 100 ^o E		ALT- 1000		CAP- CLIP-		RADAR- VTS-		ALR- CAP-		MNR- VTS-						
DAY- RE- 0831		UTMD SP- 0000 PT-		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S		WIND DI- N		WIND DI- S				
DST- 0000 PT-		AVE- 1																				

CONFIDENTIAL

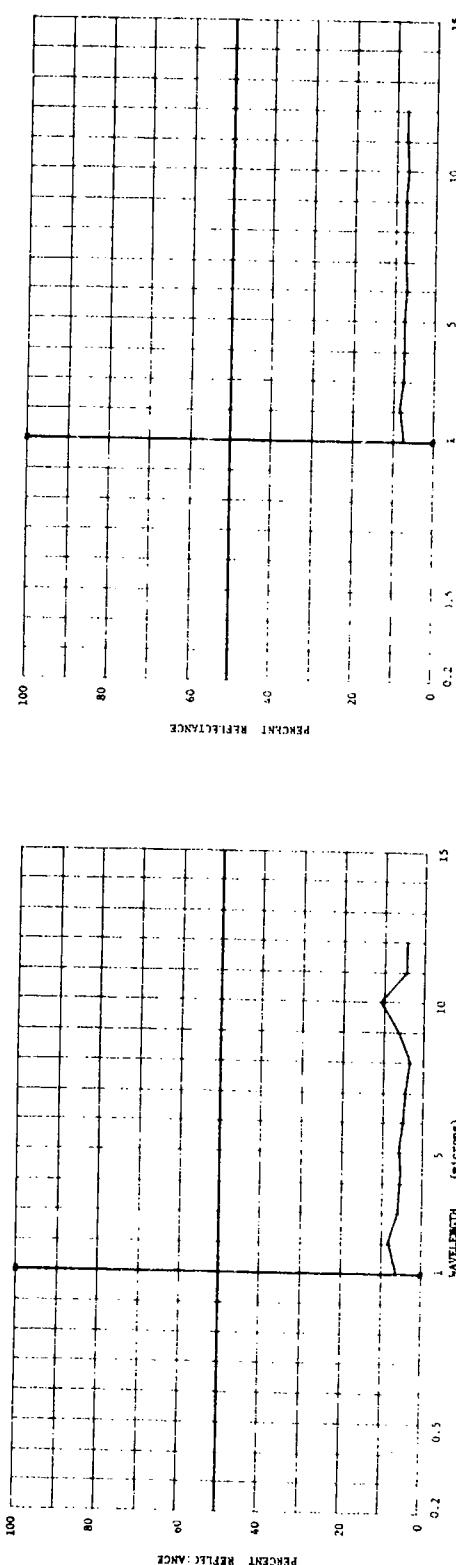
CONFIDENTIAL

AEP 4

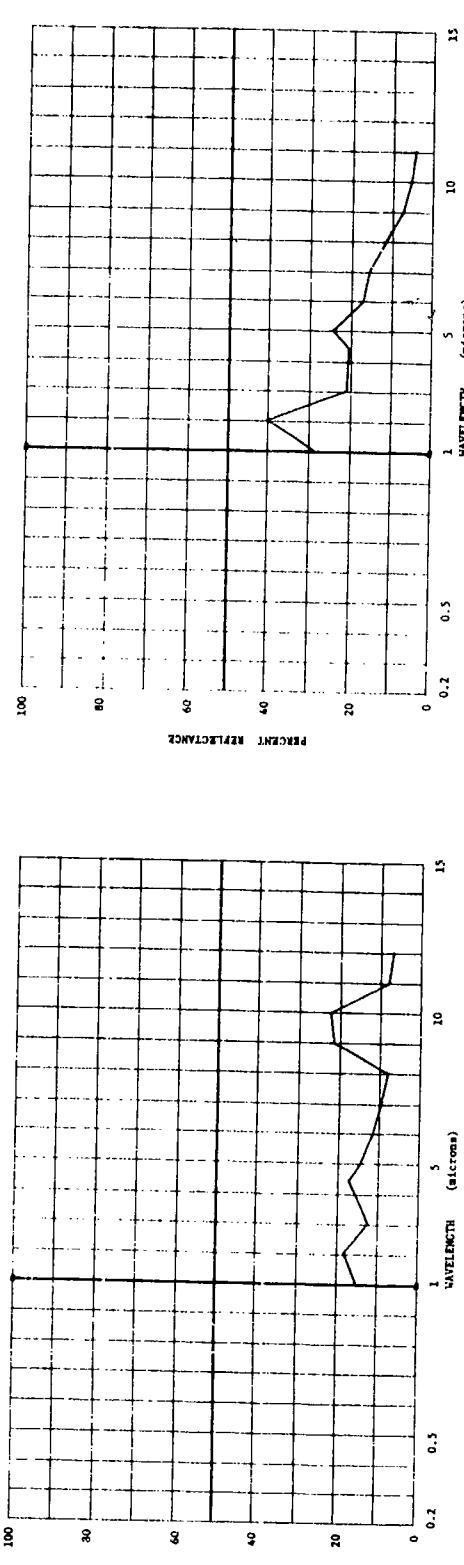
* B13501-067 Neoprene, Black, on Airplane Cloth, Fine Cloth Grain. (CONFIDENTIAL)



* B13501-068 Neoprene, Black, on Balloon Cloth, Fine Cloth Grain. (CONFIDENTIAL)



* B13501-071 Vinyl, Green, on Glass Cloth, Fine Cloth Grain. (CONFIDENTIAL)



CONFIDENTIAL

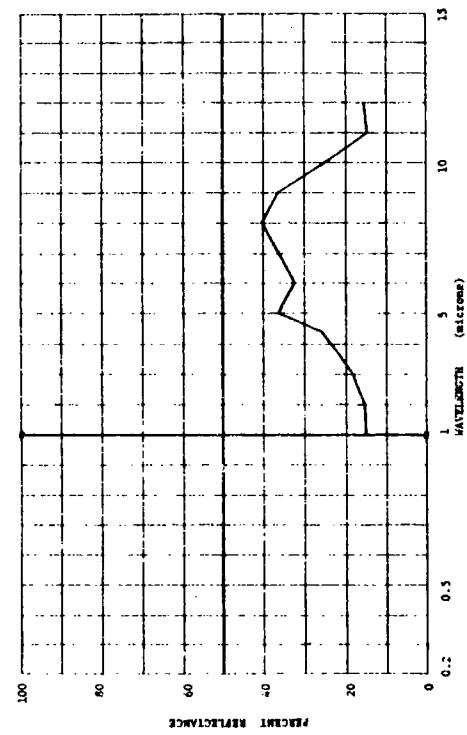
CONFIDENTIAL

AEP 5

B1501-069 Radar Track Block, Block, Smooth. (CONFIDENTIAL)

SUBJECT CODES	
AEP	EGRBL
ECE	CDC

PARAMETER INFORMATION	
DATE	55
DAY	18
MONTH	JUN
TEMP	65°F



CONFIDENTIAL

AEQ
TARGET MATERIALS
Tar

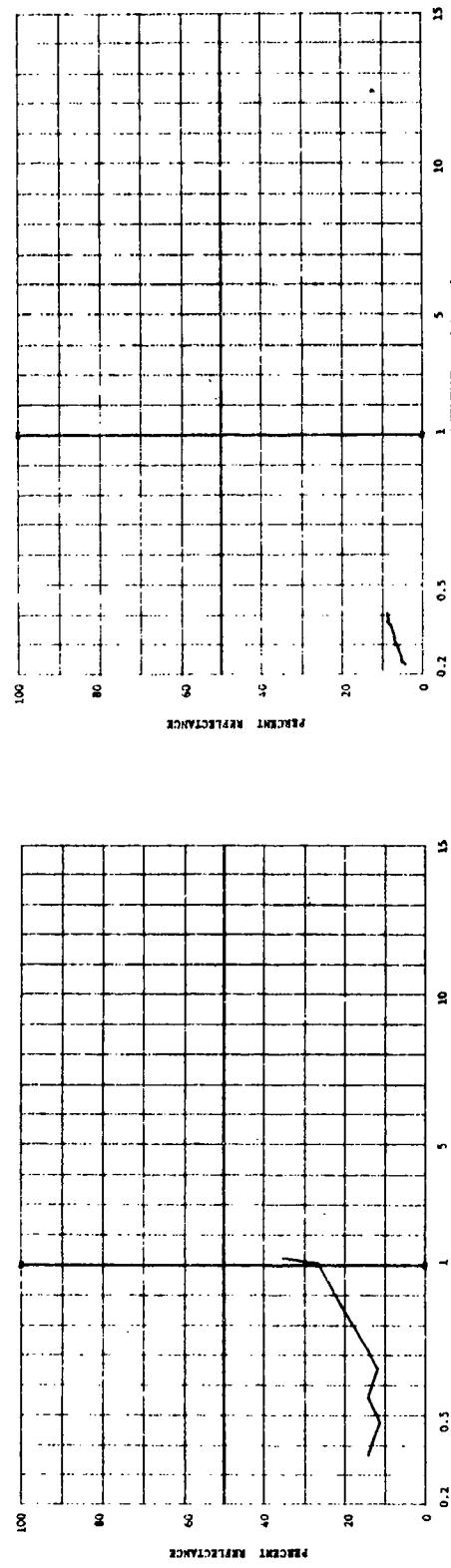
SECRET

AQ 1

• B13946-003 Tar and Gravel, Dry. (SECRET)

Tar-Sand Surface. (CONFIDENTIAL)

SUBJECT CODES					
ABD	AEK	CD	CED	DFA	DPC
PARAMETER INFORMATION		LAT ^o	LONG ^o	ALT ^m	RANGE ^{kilometers}
DATE- TIME- DAT- CRST- TEMP- DEP- PT-		LAT ^o	LONG ^o	ALT ^m	VIS- CAP- CLD-
X AVP-1		WIND SP- DIR- VTPR- 1	WIND DIR- VTPR- 1	WIND SP- DIR- VTPR- 1	

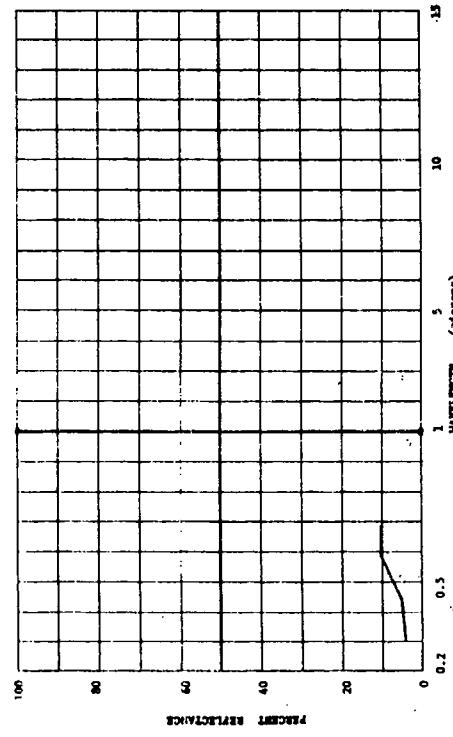


• B13946-036 Black Tar Road Bed. (CONFIDENTIAL)

SUBJECT CODES

ABD CD CED DFA DPCD DK EAD ECD

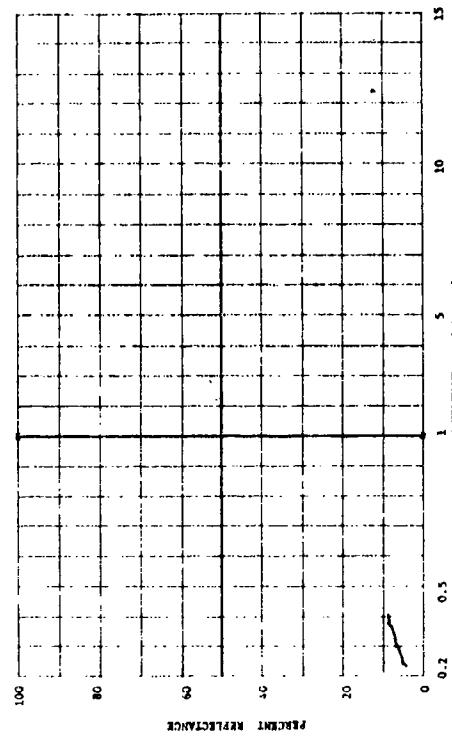
SUBJECT CODES					
ABD	CD	CED	DFA	DPCD	DK
PARAMETER INFORMATION		LAT ^o	LONG ^o	ALT ^m	RANGE ^{kilometers}
DATE- TIME- DAT- CRST- TEMP- DEP- PT-		LAT ^o	LONG ^o	ALT ^m	VIS- CAP- CLD-
X AVP-1		WIND SP- DIR- VTPR- 1	WIND DIR- VTPR- 1	WIND SP- DIR- VTPR- 1	



• B14004-010

Tar-Sand Surface. (CONFIDENTIAL)

SUBJECT CODES					
ABD	AEK	CD	CED	DFA	DPCD
PARAMETER INFORMATION		LAT ^o	LONG ^o	ALT ^m	RANGE ^{kilometers}
DATE- TIME- DAT- CRST- TEMP- DEP- PT-		LAT ^o	LONG ^o	ALT ^m	VIS- CAP- CLD-
X AVP-1		WIND SP- DIR- VTPR- 1	WIND DIR- VTPR- 1	WIND SP- DIR- VTPR- 1	



SECRET

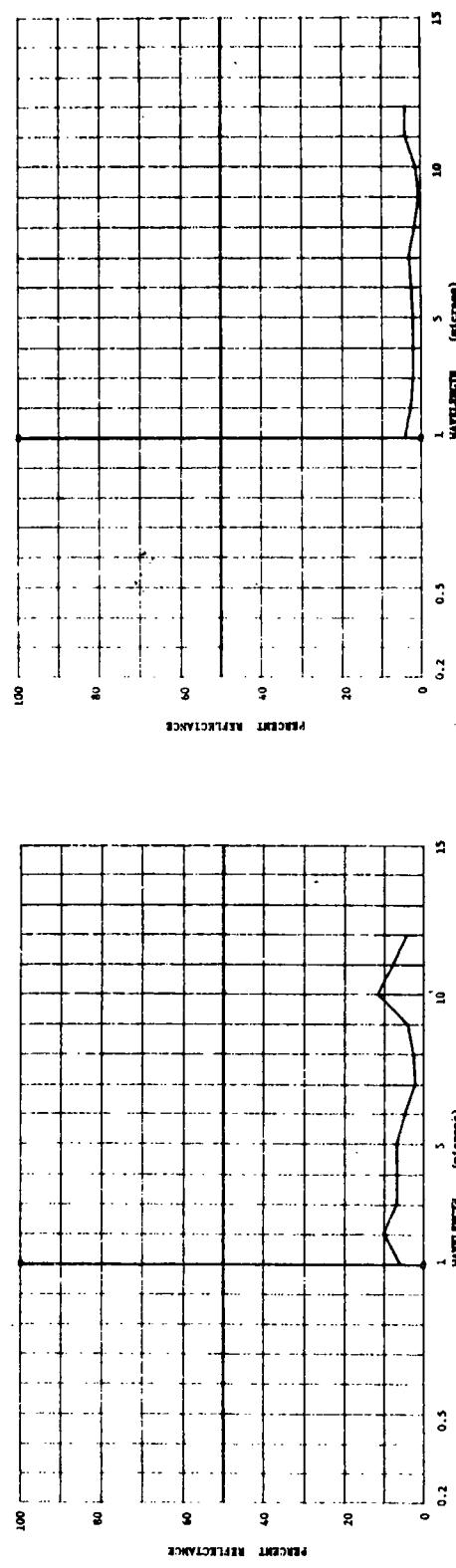
AER
LARGE I MATERIALS
File

CONFIDENTIAL

AER 1

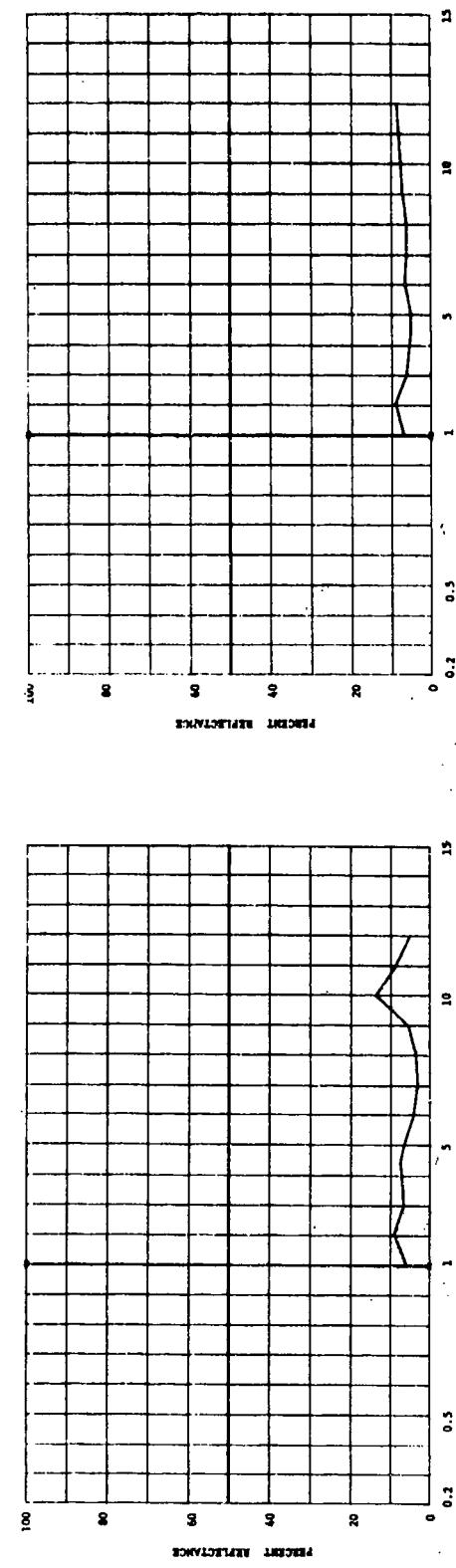
• B13501-028 High Temperature Ceramic, Dark Blue, On Mild Steel, Semi-Gloss. (CONFIDENTIAL)

SUBJECT CODES											
AIR	ECA	AEL	CDC	CDG	DPA	DEC	ECA	ECR	ECC	EDC	EDC
ECD	ECE										
PARAMETER INFORMATION											
DATE-	55	TIME-	LAT-	LONG-	ALT-	WIND-	WIND	WIND	WIND	WIND	WIND
DAY-	12	HR-	LAT-	CHI-	CHI-	DIR-	SP-	DIR-	SP-	DIR-	SP-
MONTH-	10	MIN-	LAT-	DIR-	DIR-	WIND	WIND	WIND	WIND	WIND	WIND
YEAR-	70	SEC-	WIND	DIR-	DIR-	SP-	DIR	SP	DIR	SP	DIR
TEST INFORMATION											
TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1
TYPE-	DM	PT-	DM	PT	DM	PT	DM	PT	DM	PT	DM



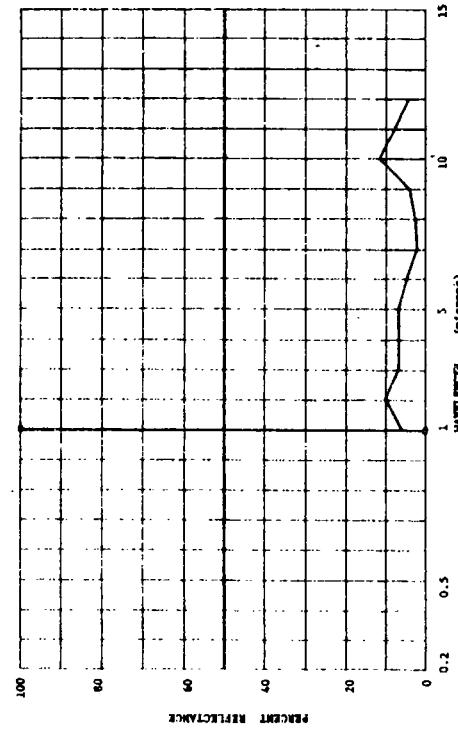
• B13501-029 High Temperature Ceramic, Dark Blue, On Mild Steel, Semi-Gloss. (CONFIDENTIAL)

SUBJECT CODES											
AIR	ECA	AEL	CDC	CDG	DPA	DEC	ECA	ECR	ECC	EDC	EDC
ECD	ECE										
PARAMETER INFORMATION											
DATE-	55	TIME-	LAT-	LONG-	ALT-	WIND-	WIND	WIND	WIND	WIND	WIND
DAY-	12	HR-	LAT-	CHI-	CHI-	DIR-	SP-	DIR-	SP-	DIR-	SP-
MONTH-	10	MIN-	LAT-	DIR-	DIR-	WIND	WIND	WIND	WIND	WIND	WIND
YEAR-	70	SEC-	WIND	DIR-	DIR-	SP-	DIR	SP	DIR	SP	DIR
TEST INFORMATION											
TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1
TYPE-	DM	PT-	DM	PT	DM	PT	DM	PT	DM	PT	DM



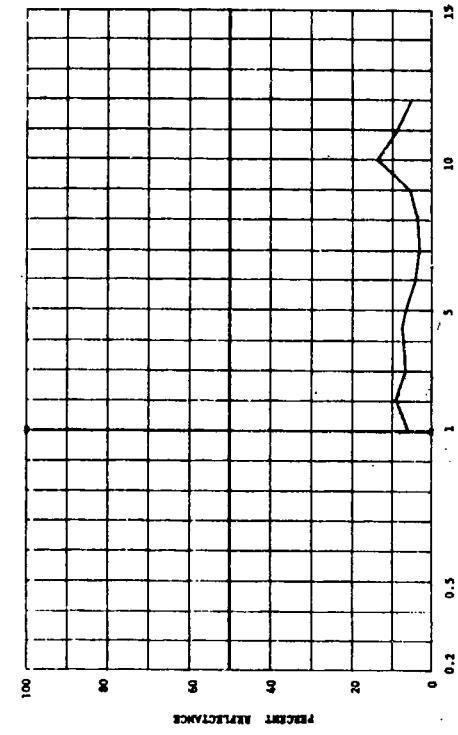
• B13501-030 High Temperature Ceramic, Dark Blue, On Mild Steel, Semi-Gloss. (CONFIDENTIAL)

SUBJECT CODES											
AIR	ECA	AEL	CDC	CDG	DPA	DEC	ECA	ECR	ECC	EDC	EDC
ECD	ECE										
PARAMETER INFORMATION											
DATE-	55	TIME-	LAT-	LONG-	ALT-	WIND-	WIND	WIND	WIND	WIND	WIND
DAY-	12	HR-	LAT-	CHI-	CHI-	DIR-	SP-	DIR-	SP-	DIR-	SP-
MONTH-	10	MIN-	LAT-	DIR-	DIR-	WIND	WIND	WIND	WIND	WIND	WIND
YEAR-	70	SEC-	WIND	DIR-	DIR-	SP-	DIR	SP	DIR	SP	DIR
TEST INFORMATION											
TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1
TYPE-	DM	PT-	DM	PT	DM	PT	DM	PT	DM	PT	DM



• B13501-031 High Temperature Ceramic, White, On Mild Steel, Metal. (CONFIDENTIAL)

SUBJECT CODES											
AIR	ECA	AEL	CDC	CDG	DPA	DEC	ECA	ECR	ECC	EDC	EDC
ECD	ECE										
PARAMETER INFORMATION											
DATE-	55	TIME-	LAT-	LONG-	ALT-	WIND-	WIND	WIND	WIND	WIND	WIND
DAY-	12	HR-	LAT-	CHI-	CHI-	DIR-	SP-	DIR-	SP-	DIR-	SP-
MONTH-	10	MIN-	LAT-	DIR-	DIR-	WIND	WIND	WIND	WIND	WIND	WIND
YEAR-	70	SEC-	WIND	DIR-	DIR-	SP-	DIR	SP	DIR	SP	DIR
TEST INFORMATION											
TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1	TEST-	1
TYPE-	DM	PT-	DM	PT	DM	PT	DM	PT	DM	PT	DM



CONFIDENTIAL

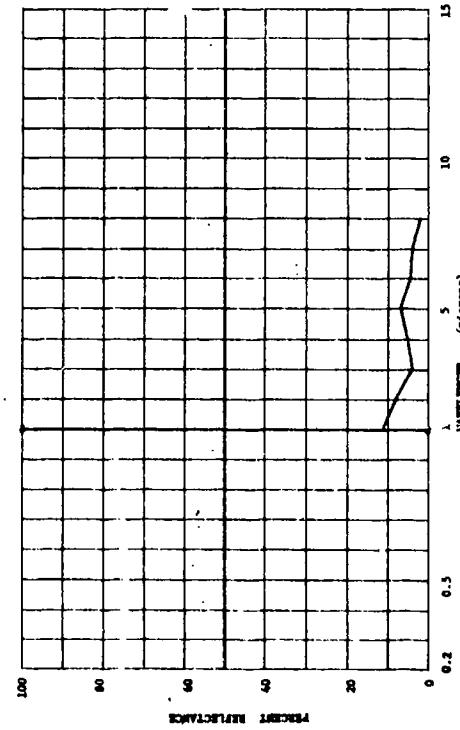
AET
TARGET MATERIALS
Wood

CONFIDENTIAL

AET 1

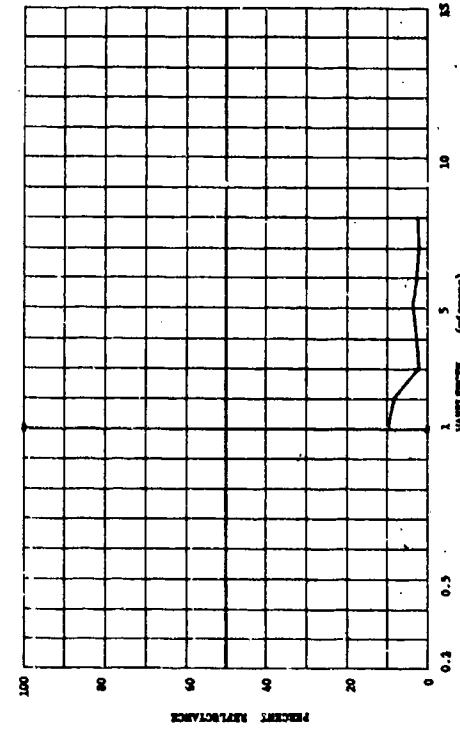
• B13501-023 Wood, White Oak, Smooth. (CONFIDENTIAL)

SUBJECT CODES
AET CIC CID DPA DSC ECA EOC EOC
PARAMETER INFORMATION
DATE- 55 TIME-
DATE- 120
DATE- 120
CITY- T
TIME-
WIND SP-
E AVP- 1



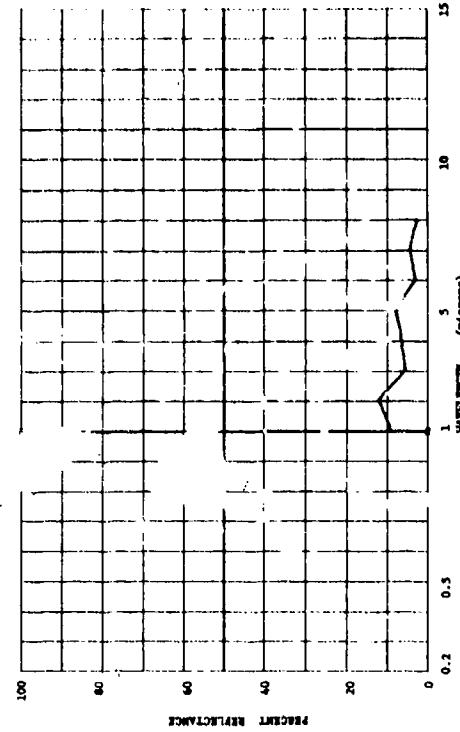
• B13501-023 Wood, Pinyon, Smooth. (CONFIDENTIAL)

SUBJECT CODES
AET CIC CID DPA DSC ECA EOC EOC
PARAMETER INFORMATION
DATE- 55 TIME-
DATE- 120
DATE- 120
CITY- T
TIME-
WIND SP-
E AVP- 1



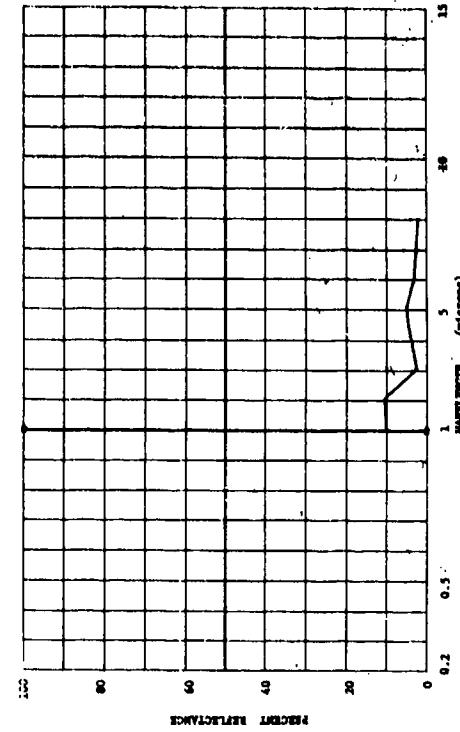
• B13501-022 Wood, Hickory, Smooth. (CONFIDENTIAL)

SUBJECT CODES
AET CIC CID DPA DSC ECA EOC EOC
PARAMETER INFORMATION
DATE- 55 TIME-
DATE- 120
DATE- 120
CITY- T
TIME-
WIND SP-
E AVP- 1



• B13501-024 Wood, Douglas Fir, Smooth. (CONFIDENTIAL)

SUBJECT CODES
AET CIC CID DPA DSC ECA EOC EOC
PARAMETER INFORMATION
DATE- 55 TIME-
DATE- 120
DATE- 120
CITY- T
TIME-
WIND SP-
E AVP- 1



* 813501-025 Wood, Western Red Cedar, Smooth. (CONFIDENTIAL)

* 813501-026 Wood, Paulownia Pine, Smooth. (CONFIDENTIAL)

AET 2

SECRET

* 813501-027 Wood, American Walnut, Smooth. (CONFIDENTIAL)

* 813501-026 Rotting Wood, Moist and Dry. (SECRET)

AET 2

SECRET

AET

CDC

DPA

DEC

ECDA

EDCD

ECOC

EDCC

EDOC

EDOD

EDOC

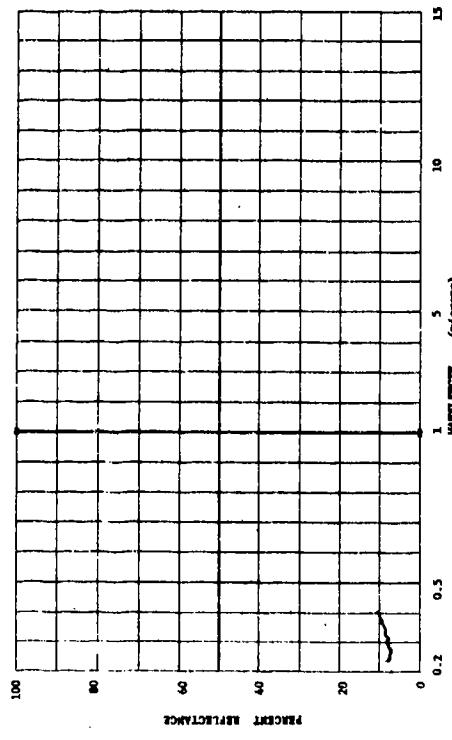
CONFIDENTIAL

AET 3

* RI4004-036 Dairy Fly Pinned. (CONFIDENTIAL)

SUBJECT CODES
ACT AIN CDC CDP DPAI DPD IXE HAC HEAD

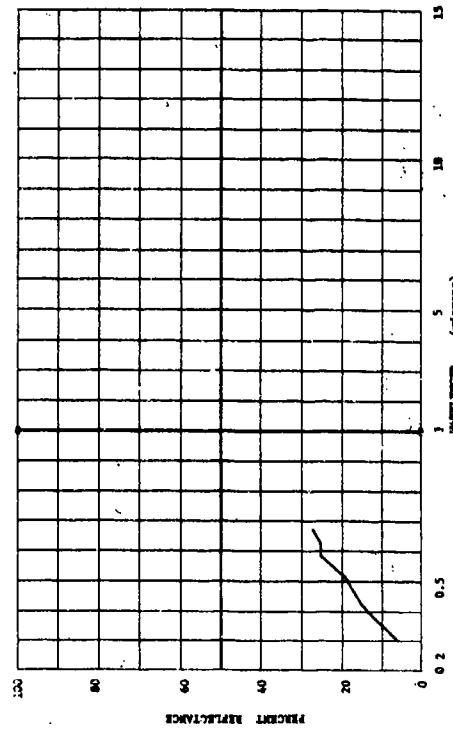
PARAMETER INFORMATION
DATEP- 64 TIME-
DAYS RE- 14
CSTY- TUE-
TEMP- 58°F
WIND SP- 0
WIND PT- 0
AVE- 1



* RI4004-037 Dairy Fly Pinned. (CONFIDENTIAL)

SUBJECT CODES
ACT CO CDC DPAI DPD IXE HAC HEAD

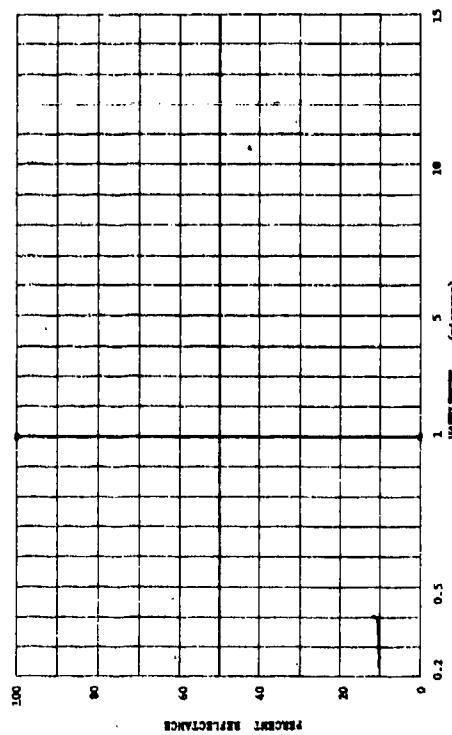
PARAMETER INFORMATION
DATEP- 64 TIME-
DAYS RE- 14
CSTY- TUE-
TEMP- 58°F
WIND SP- 0
WIND PT- 0
AVE- 1



* RI4004-039 Sheep Pinned. (CONFIDENTIAL)

SUBJECT CODES
ACT AIN CDC CDP DPAI DPD IXE HAC HEAD

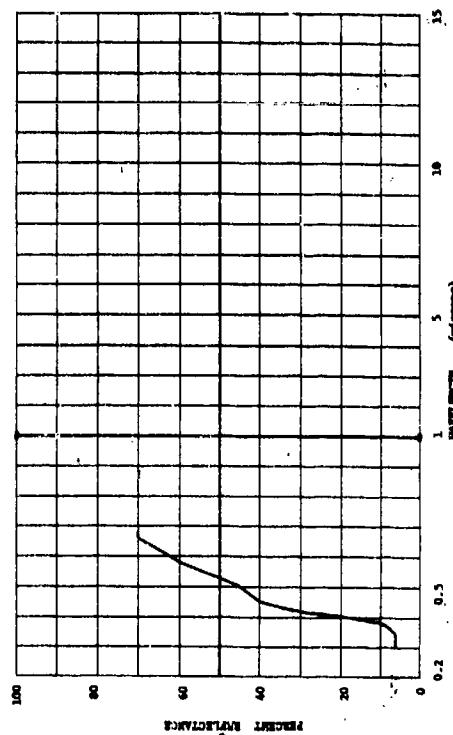
PARAMETER INFORMATION
DATEP- 64 TIME-
DAYS RE- 14
CSTY- TUE-
TEMP- 58°F
WIND SP- 0
WIND PT- 0
AVE- 1



* RI4004-040 Goat Sheep Head. (CONFIDENTIAL)

SUBJECT CODES
ACT CO CDC DPAI DPD IXE HAC HEAD

PARAMETER INFORMATION
DATEP- 64 TIME-
DAYS RE- 14
CSTY- TUE-
TEMP- 58°F
WIND SP- 0
WIND PT- 0
AVE- 1



CONFIDENTIAL

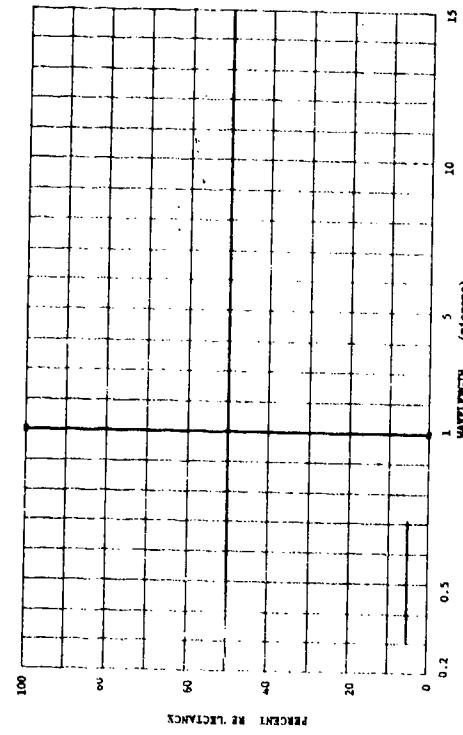
AET 4

*B1-004-060 Charcoal. (CONFIDENTIAL)

SUBJECT CODES
AET CD CED DFA DPCD DK ECAD ECB

PARAMETER INFORMATION

DATUM: 44 TIME: 14:00
DATE ID: 1102 TIDE: 1
OBST: DSA PT: 1



CONFIDENTIAL

BF

BACKGROUNDS

Soil

SECRET

BF 1

• 81394-014 Brown Forest Soil and Desert Sand. (CONFIDENTIAL)

• 81394-011 Fine Dark Brown Soil Dry. (SECRET)

• 81394-012 Fine Gray Sandy Soil, Dry. (SECRET)

• 81394-013 Rich Black Soil, Dry. (SECRET)

()

• 81394-011 Fine Dark Brown Soil Dry. (SECRET)

• 81394-012 Fine Gray Sandy Soil, Dry. (SECRET)

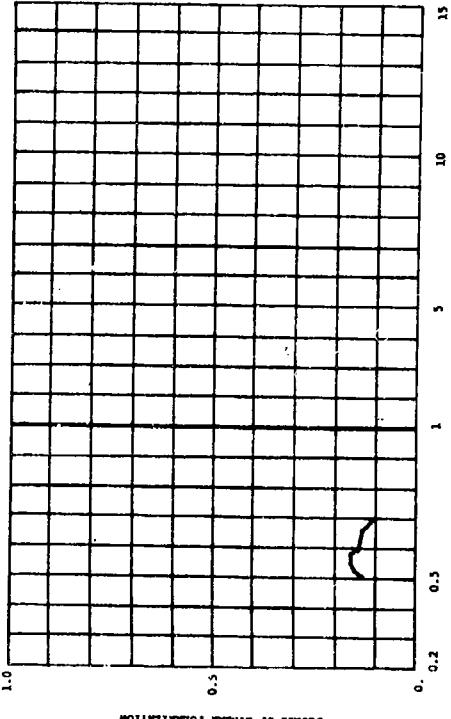
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• 81394-013 Rich Black Soil, Dry. (SECRET)

• 81394-014 Brown Forest Soil and Desert Sand. (CONFIDENTIAL)

()

PARAMETER INFORMATION
 DATE: 64
 TIME: 14:00
 DAY: 20
 MONTH: APRIL
 YEAR: 1974
 SUBJECT CODES
 BY: SCBAP CD: CED DPC: DPA DK: DAD RCB: RCB ECA: ECA

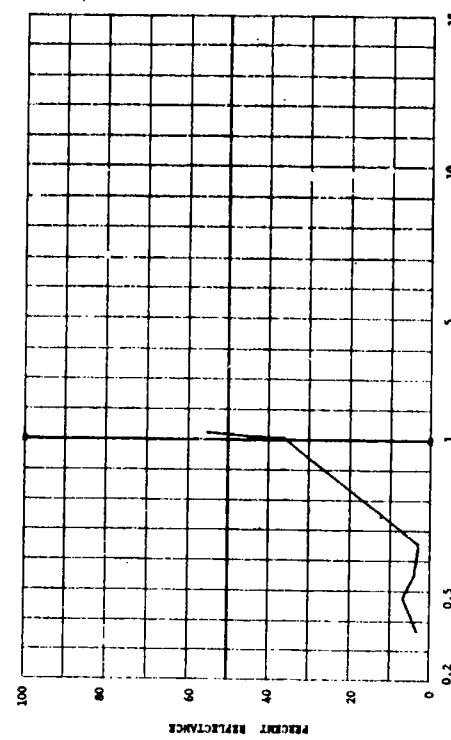
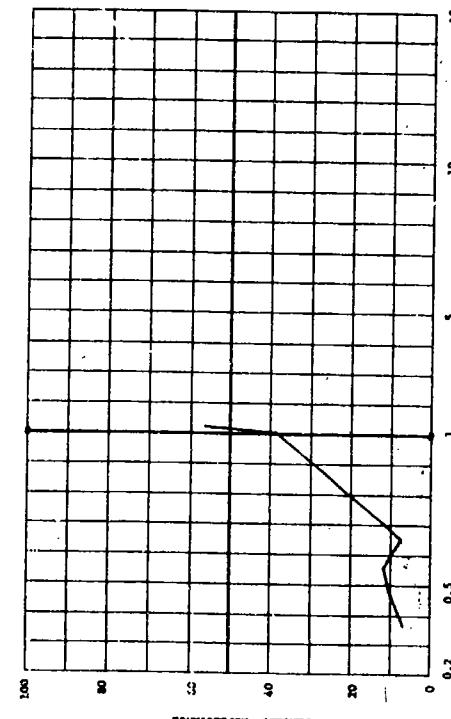


• 81394-012 Fine Gray Sandy Soil, Dry. (SECRET)

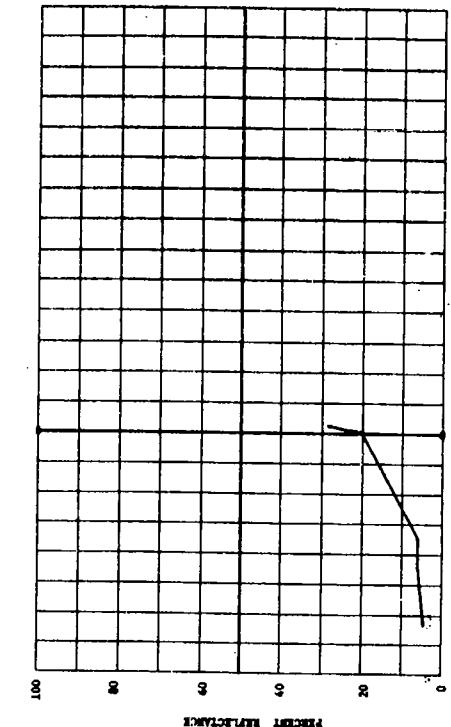
• 81394-013 Rich Black Soil, Dry. (SECRET)

()

PARAMETER INFORMATION
 DATE: 64
 TIME: 14:00
 DAY: 20
 MONTH: APRIL
 YEAR: 1974
 SUBJECT CODES
 BY: SCBAP CD: CED DPC: DPA DK: DAD RCB: RCB ECA: ECA



PARAMETER INFORMATION
 DATE: 64
 TIME: 14:00
 DAY: 20
 MONTH: APRIL
 YEAR: 1974
 SUBJECT CODES
 BY: SCBAP CD: CED DPC: DPA DK: DAD RCB: RCB ECA: ECA



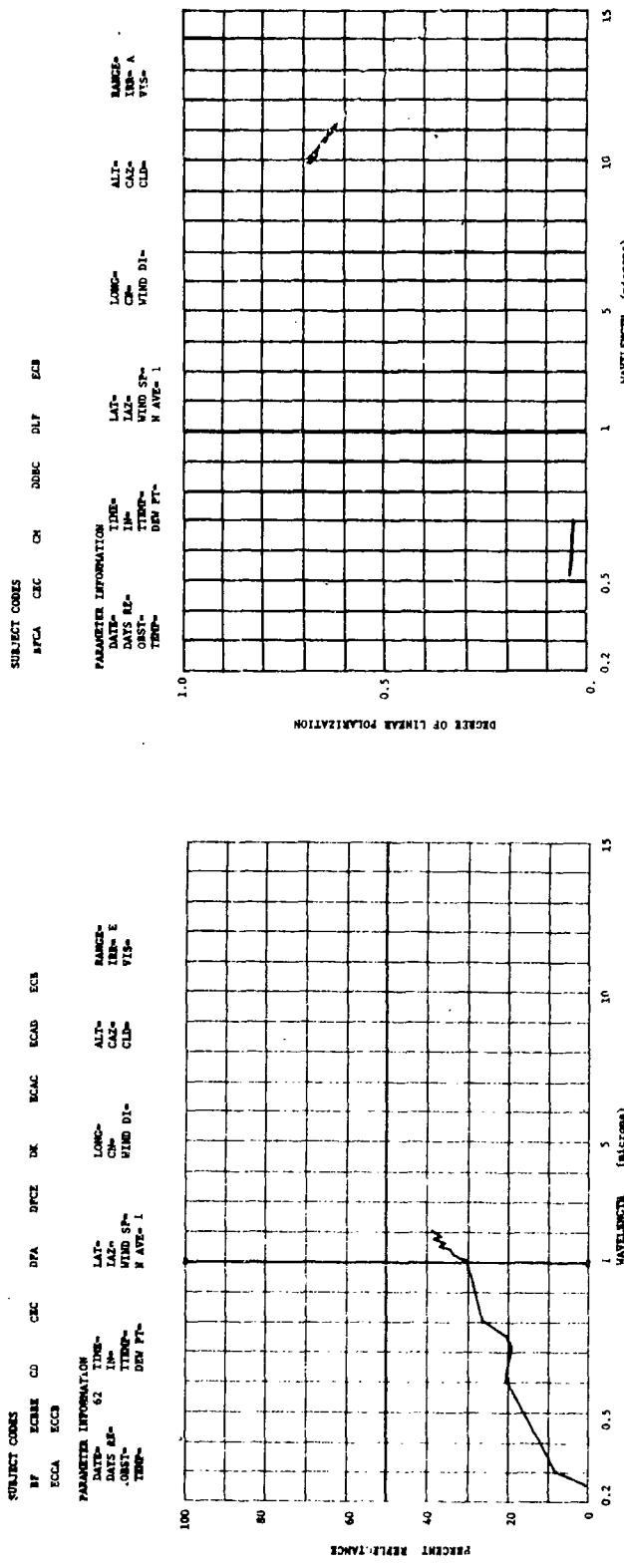
SECRET

SECRET

BF 2

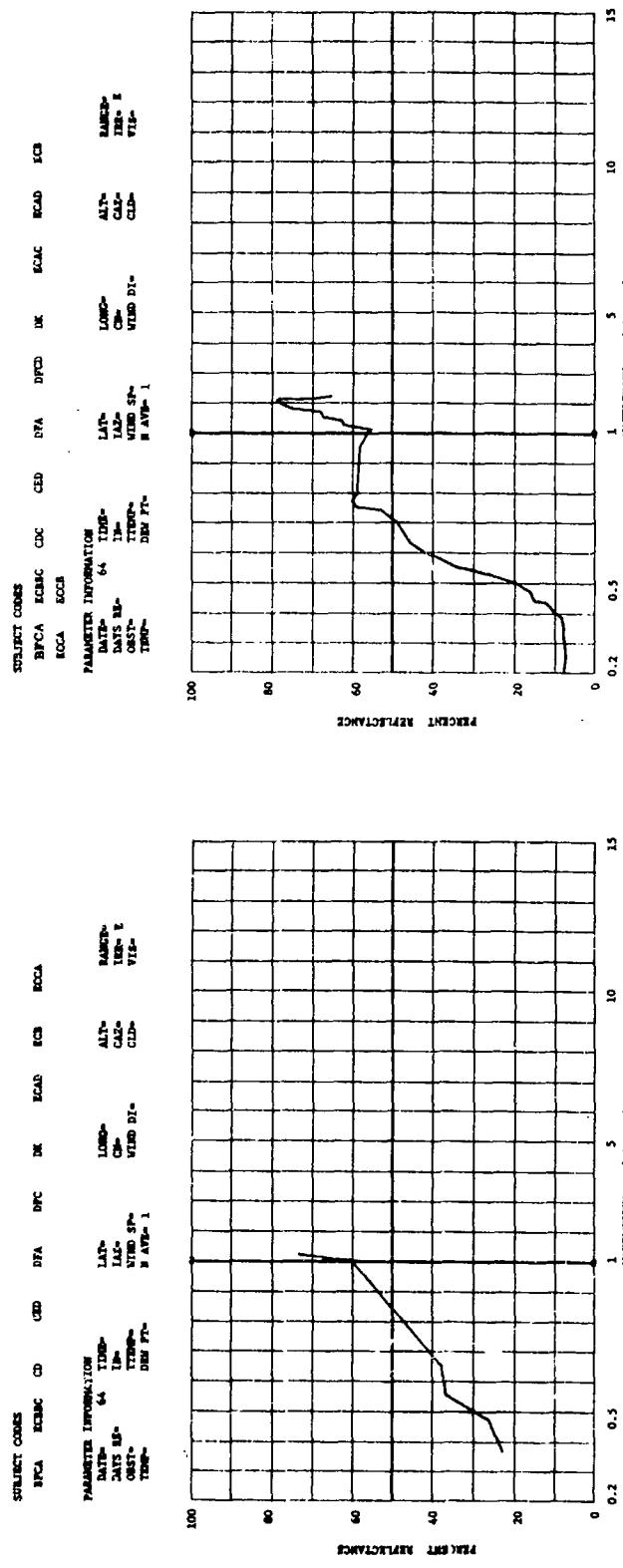
• B13946-009 Dry Sand. (CONFIDENTIAL)

• B13946-015 Red Desert Soil. (SECRET)



• B13946-012 Yellow Sand. (CONFIDENTIAL)

• B13946-010 Light Yellow Beach Sand. Dry. (SECRET)



(

(

SECRET

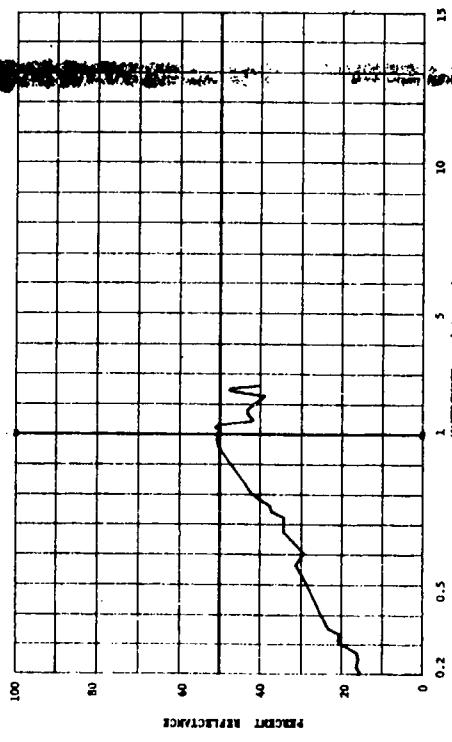
SECRET

BF 3

* 814004-043 White Sand. (CONFIDENTIAL)

SUBJECT CODES
BPA ECRN CDC DIA DCD DE ECAC EAD ECR
ECCA ECCB

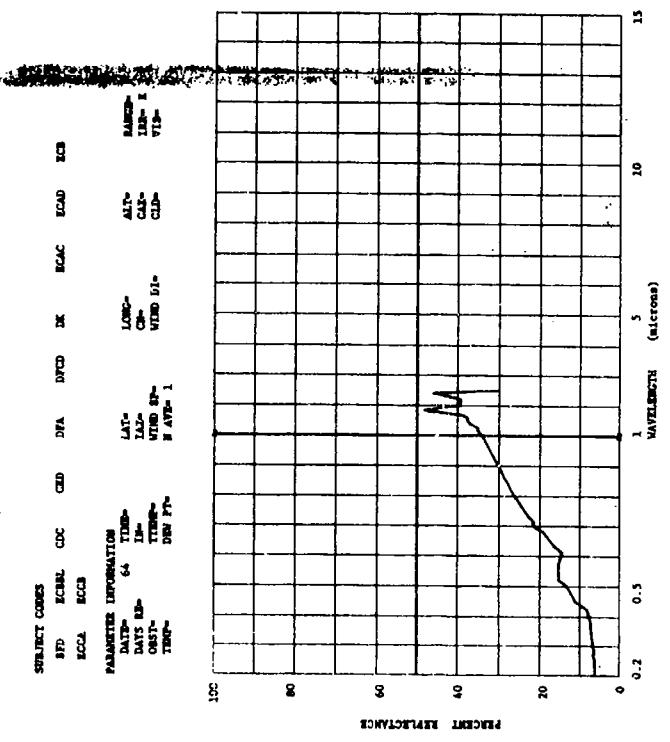
PARAMETER INFORMATION
LAT^N 64 TIME^H
LATS RE- 1P⁺ TIDE^H
CSTS⁺ TIDE^H
TIDE^H DS^H



* 814004-051 Black Sandy Distr. (CONFIDENTIAL)

SUBJECT CODES
BPA ECRN CDC DIA DCD DE ECAC EAD ECR
ECCA ECCB

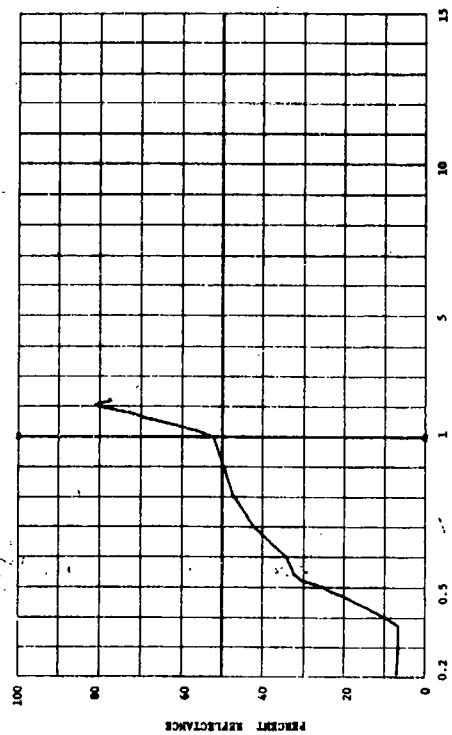
PARAMETER INFORMATION
LAT^N 62 TIME^H
LATS RE- 1P⁺ TIDE^H
CSTS⁺ TIDE^H
TIDE^H DS^H



* 814004-048 Yellow Sand Stone. (CONFIDENTIAL)

SUBJECT CODES
BPA ECRN CDC DIA DCD DE ECAC EAD ECR
ECCA ECCB

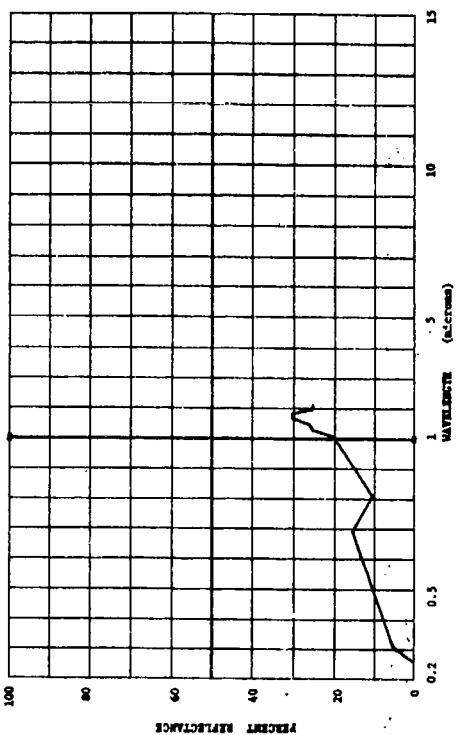
PARAMETER INFORMATION
LAT^N 64 TIME^H
LATS RE- 1P⁺ TIDE^H
CSTS⁺ TIDE^H
TIDE^H DS^H



* 813946-024 Sandy Loam. (SECRET)

SUBJECT CODES
BPA CD CDC DIA DCD DE ECAC EAD ECR
ECCA ECCB

PARAMETER INFORMATION
LAT^N 62 TIME^H
LATS RE- 1P⁺ TIDE^H
CSTS⁺ TIDE^H
TIDE^H DS^H



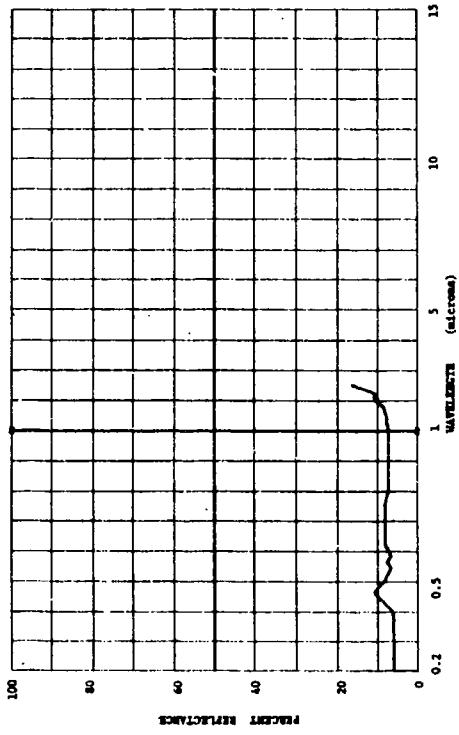
CONFIDENTIAL

BP 8

• B14004-084 Level. (CONFIDENTIAL)

SUBJECT CODES
BPN CDC DFA DPCD DK ICAC ICAD ECA ECA
ECCS

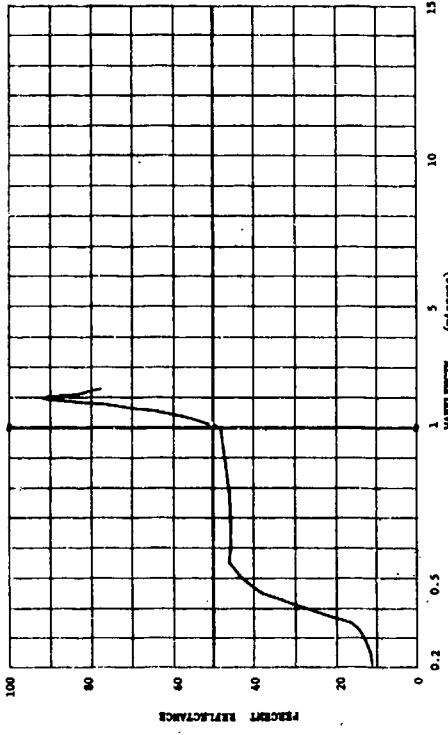
PARAMETER INFORMATION
DATE- TIME-
DATS- 44 12h-
CRST- 1000-
TDR- 1000 ft.
WIND SP- 0 ft/s.
WIND DIR- N APP- 1



• B14004-084 Shear. (CONFIDENTIAL)

SUBJECT CODES
BPN CDC DFA DPCD DK ICAC ICAD ECA ECA
ECCS

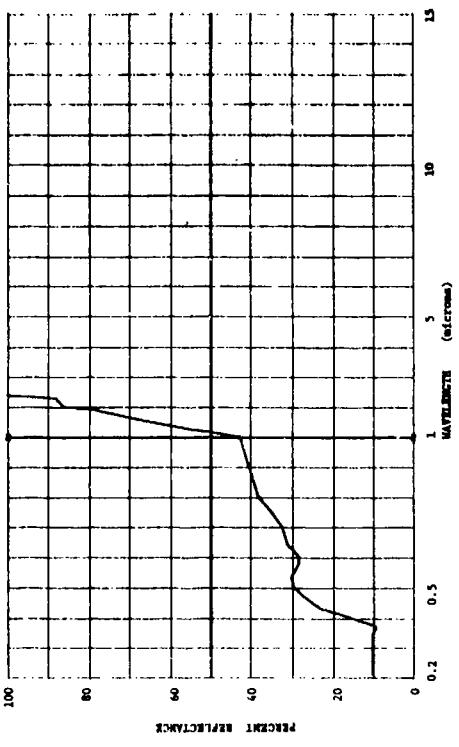
PARAMETER INFORMATION
DATE- TIME-
DATS- 44 12h-
CRST- 1000-
TDR- 1000 ft.
WIND SP- 0 ft/s.
WIND DIR- N APP- 1



• B14004-085 Urethane Ops. (CONFIDENTIAL)

SUBJECT CODES
BPN CDC DFA DPCD DK ICAC ICAD ECA ECA
ECCS

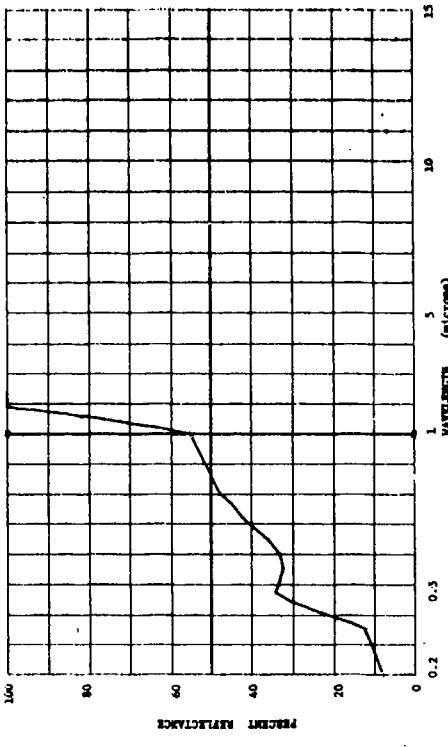
PARAMETER INFORMATION
DATE- TIME-
DATS- 44 12h-
CRST- 1000-
TDR- 1000 ft.
WIND SP- 0 ft/s.
WIND DIR- N APP- 1



• B14004-085 Urethane Ops. (CONFIDENTIAL)

SUBJECT CODES
BPN CDC DFA DPCD DK ICAC ICAD ECA ECA
ECCS

PARAMETER INFORMATION
DATE- TIME-
DATS- 44 12h-
CRST- 1000-
TDR- 1000 ft.
WIND SP- 0 ft/s.
WIND DIR- N APP- 1



CONFIDENTIAL

BF 6

• B14004-091 Silas. (CONFIDENTIAL) • B14004-091 Silas. (CONFIDENTIAL)

SUBJECT CODES

BPH

CDC

DFA

DPFD

DK

ECAC

ECD

ECAD

ECB

ECCA

ECR

ECU

ECV

ECW

ECX

ECY

ECZ

ECA

ECB

ECC

ECD

ECF

ECG

ECH

ECI

ECJ

ECK

ECL

ECM

ECN

ECO

ECP

ECQ

ECR

ECU

ECV

ECW

ECX

ECY

ECZ

ECA

ECB

ECC

ECD

ECF

ECG

ECH

ECI

ECJ

ECK

ECL

ECM

ECN

ECO

ECP

ECQ

ECR

ECU

ECV

ECW

ECX

ECY

ECZ

PARAMETER INFORMATION

DATE- 64

TIME- 13h

LAT- 18°

LONG- 120°

ALT- 1000

CLD- 10%

VIS- 10

TEMP- 15°C

WIND SP- 10

WIND DI- N

WIND FT- 1

NW

SW

SE

NE

NE

SE

SW

SW

SE

NE

NE

SW

SW

SE

NE

PARAMETER INFORMATION

DATE- 64

TIME- 13h

LAT- 18°

LONG- 120°

ALT- 1000

CLD- 10%

VIS- 10

TEMP- 15°C

WIND SP- 10

WIND DI- N

WIND FT- 1

NW

SW

SE

NE

NE

SW

SW

SE

NE

NE

PARAMETER INFORMATION

DATE- 64

TIME- 13h

LAT- 18°

LONG- 120°

ALT- 1000

CLD- 10%

VIS- 10

TEMP- 15°C

WIND SP- 10

WIND DI- N

WIND FT- 1

NW

SW

SE

NE

NE

SW

SW

SE

NE

NE

PARAMETER INFORMATION

DATE- 64

TIME- 13h

LAT- 18°

LONG- 120°

ALT- 1000

CLD- 10%

VIS- 10

TEMP- 15°C

WIND SP- 10

WIND DI- N

WIND FT- 1

NW

SW

SE

NE

NE

SW

SW

SE

NE

NE

SW

SW

SE

NE

NE

SW

SW

SE

NE

NE

CONFIDENTIAL

BF 8

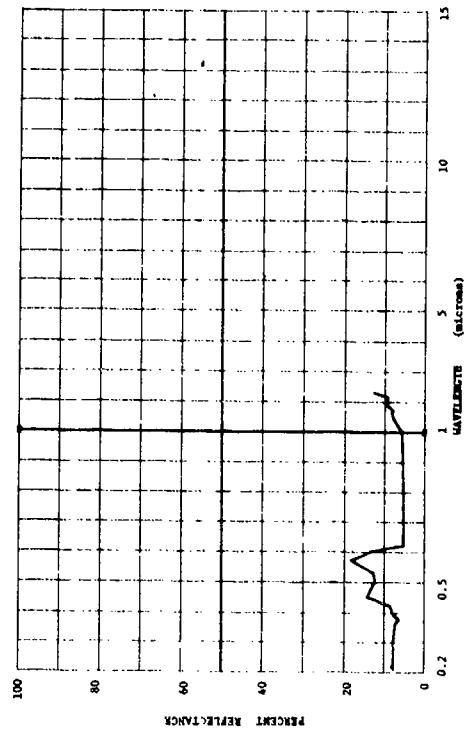
* B1404-090 Red Sandstone. (CONFIDENTIAL)

SUBJECT CODES:

BFD	ECAE	CDC	CED	DIA	DPCD	DE	ECAC	ELAD	ECS
ECCA									

PARAMETER INFORMATION

DATE= 64	TIME= 18-	LAT= 18-	LONG= CP-	ALT= 1000-	RANGE= E
DAY= 28-	TIME= 18-	LAT= 18-	VIND SP= CLA=	DIR= 010-	VIS= V15-
ORST= 0000	TIME= 18-	ATM= 1	WIND DI=		
TEIN=	DMN PT=				



CONFIDENTIAL

BG
BACKGROUNDS
Vegetation

SECRET

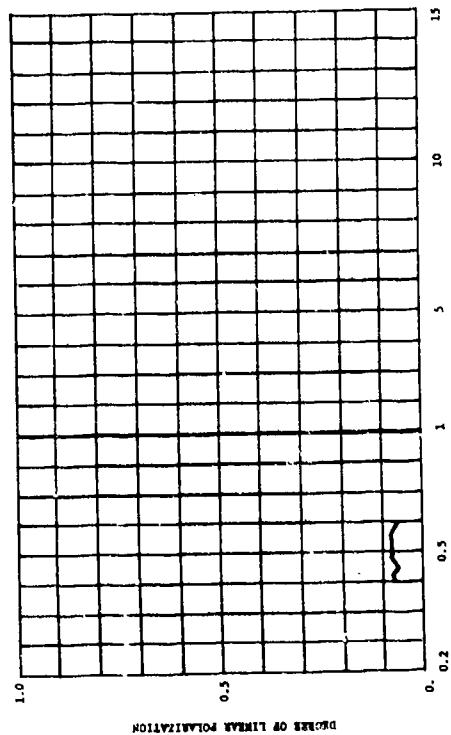
201

* B13946-006 Smart Grass Meadow. (CONFIDENTIAL)

* B13946-017 Green Grass and Green Leaves. (SECRET)

SUBJECT CODES
SOC SEC CO CDO DDCI ECD
ECCA

PARAMETER INFORMATION
DATE: 64 TIME: 00
DATE SP: 00
CITY: 00
TIME: 00
WIND SP: 00
WIND PT: 00
ATP: 1

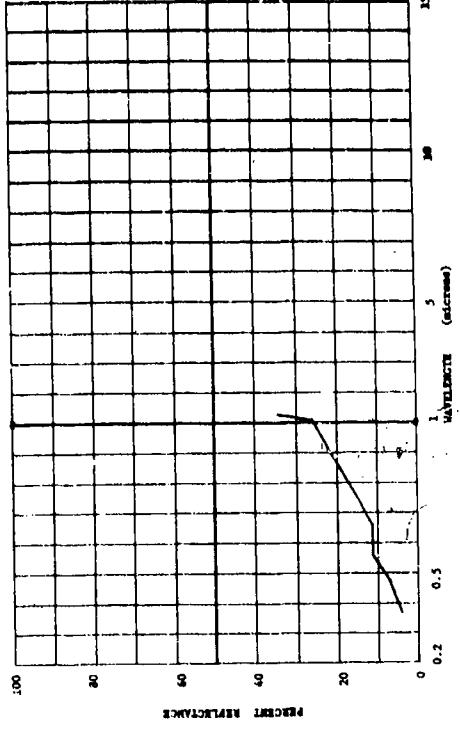
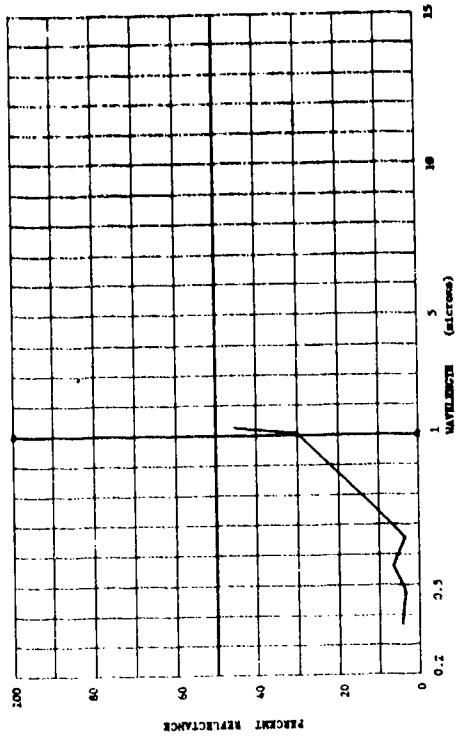
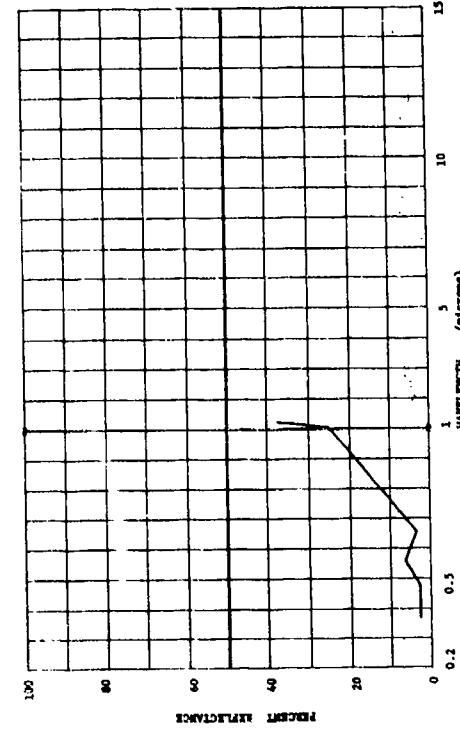


* B13946-018 Trees, Leaves, and Grass. (SECRET)

* B13946-019 Beach Sand and Green, Sec. (SECRET)

SUBJECT CODES
SOC SEC CO CDO DDCI DDC
ECCA

PARAMETER INFORMATION
DATE: 64 TIME: 00
DATE SP: 00
CITY: 00
TIME: 00
WIND SP: 00
WIND PT: 00
ATP: 1



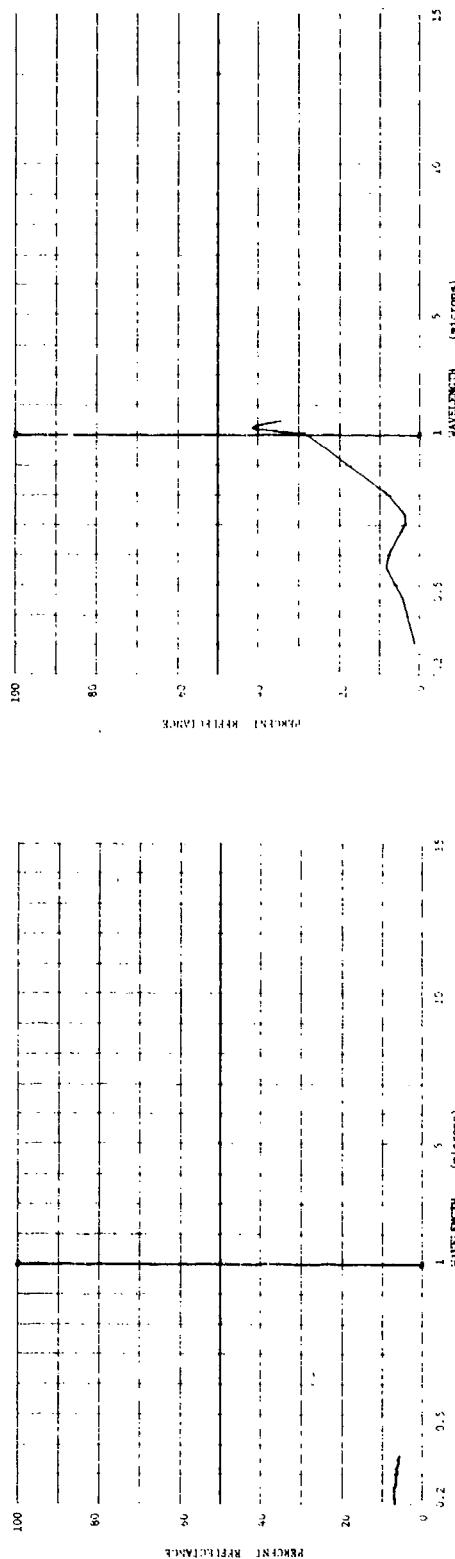
SECRET

BG 2

• E 3946-025 Fresh Grass. (SECRET)

SUBJECT CODES		SUBJECT CODES	
BGC	CDC	DFA	DFCD
0.0C	0.0C	0.0C	0.0C
ECA	ECAD	ECAC	ECAD

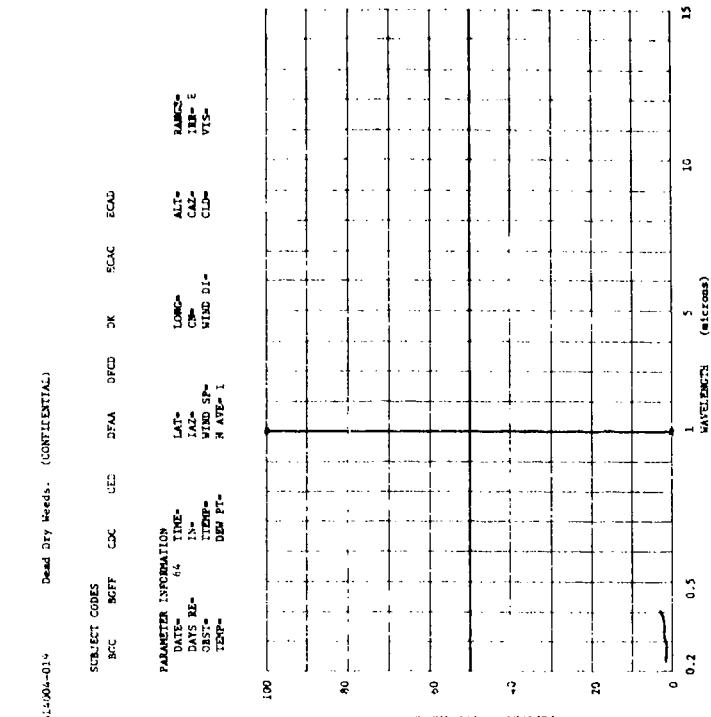
PARAMETER INFORMATION		PARAMETER INFORMATION	
DATE= 06	TIME= 18 ^h	DATE= 06	TIME= 18 ^h
DAY'S RE= 0057	WIND SP= 000	DAY'S RE= 0057	WIND SP= 000
0057*	WIND DI= 000	0057*	WIND DI= 000
TEMP= 000	VIS= 000	TEMP= 000	VIS= 000
DEW PT= 000	N AVE= 1	DEW PT= 000	N AVE= 1



• E 3946-029 Live Bunch Grass, Thin. (SECRET)

SUBJECT CODES		SUBJECT CODES	
BGC	CD	DFA	DFCD
0.0C	0.0C	0.0C	0.0C
ECAC	ECAD	ECB	ECAD

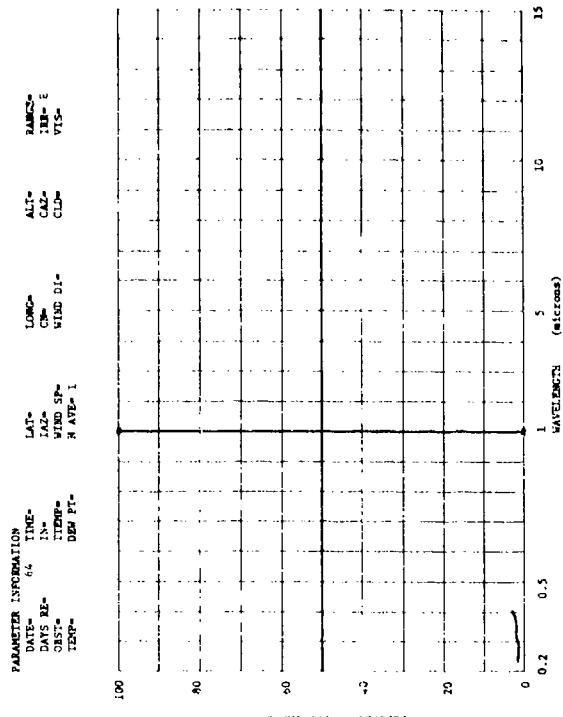
PARAMETER INFORMATION		PARAMETER INFORMATION	
DATE= 06	TIME= 18 ^h	DATE= 06	TIME= 18 ^h
DAY'S RE= 0057	WIND SP= 000	DAY'S RE= 0057	WIND SP= 000
0057*	WIND DI= 000	0057*	WIND DI= 000
TEMP= 000	VIS= 000	TEMP= 000	VIS= 000
DEW PT= 000	N AVE= 1	DEW PT= 000	N AVE= 1



• E 3946-027 Fresh Green Grass, Thick. (SECRET)

SUBJECT CODES		SUBJECT CODES	
BGC	ECB	CD	DFCD

PARAMETER INFORMATION		PARAMETER INFORMATION	
DATE= 06	TIME= 18 ^h	DATE= 06	TIME= 18 ^h
DAY'S RE= 0057	WIND SP= 000	DAY'S RE= 0057	WIND SP= 000
0057*	WIND DI= 000	0057*	WIND DI= 000
TEMP= 000	VIS= 000	TEMP= 000	VIS= 000
DEW PT= 000	N AVE= 1	DEW PT= 000	N AVE= 1



SECRET

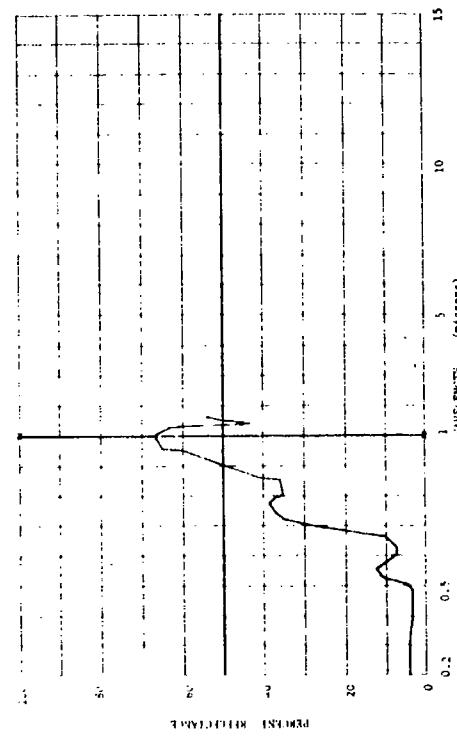
CONFIDENTIAL

BO-3

* B14004-04-1 Rice Plant, 1-8 hrs. After Picking. (CONFIDENTIAL)

SUBJECT CODES	BCK	SCF	CDC	CED	DFA	DFD	DK	ECAC	ECAM	ECAL	FCB	FCM
ECCA	ECCB											

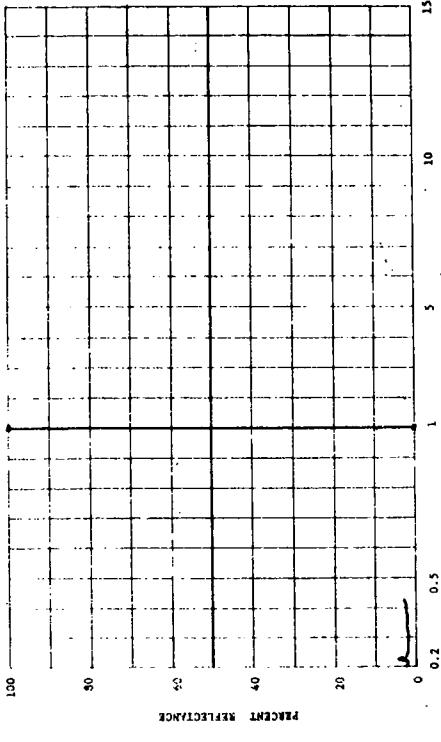
PARAMETER INFORMATION
DATE: 4-6 TIME: 1400
DAYS RE: 100 LAT: 14°
JST: 0550 LONG: 140°
TEMP: 25°C WIND DIR: N
RH: 25% VIS: 15m
AVG: 1



* B14004-04-2 Rice Plant, 2 hrs. After Picking. (CONFIDENTIAL)

SUBJECT CODES	BCK	SCF	CDC	CED	DFA	DFD	DK	ECAC	ECAM	ECAL	FCB	FCM
ECCA	ECCB											

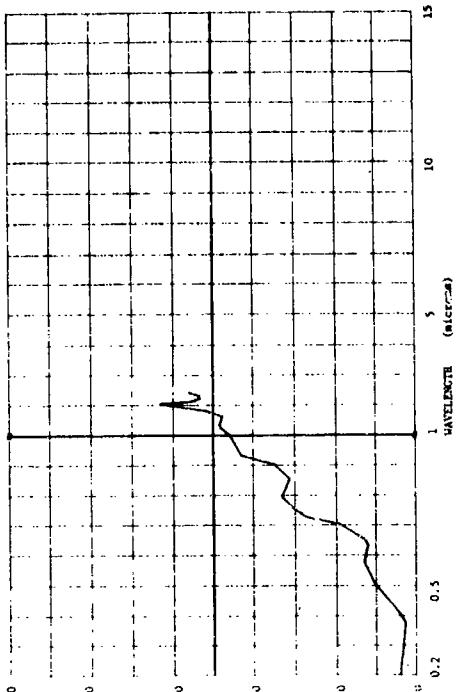
PARAMETER INFORMATION
DATE: 4-6 TIME: 1400
DAYS RE: 200 LAT: 14°
JST: 0550 LONG: 140°
TEMP: 25°C WIND DIR: N
RH: 25% VIS: 15m
AVG: 1



* B14004-102 Rice Plant, 3 Days After Picking. (CONFIDENTIAL)

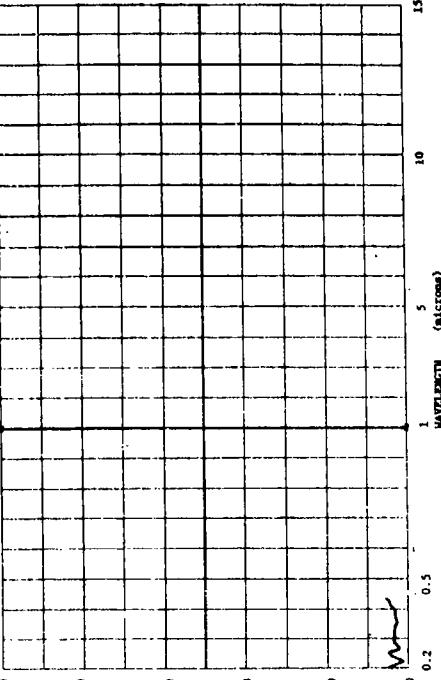
SUBJECT CODES	BCK	SCF	CDC	CED	DFA	DFD	DK	ECAC	ECAM	ECAL	FCB	FCM
ECCA	ECCB											

PARAMETER INFORMATION
DATE: 4-6 TIME: 1400
DAYS RE: 300 LAT: 14°
JST: 0550 LONG: 140°
TEMP: 25°C WIND DIR: N
RH: 25% VIS: 15m
AVG: 1



SUBJECT CODES	BCK	SCF	CDC	CED	DFA	DFD	DK	ECAC	ECAM	ECAL	FCB	FCM
ECCA	ECCB											

PARAMETER INFORMATION
DATE: 4-6 TIME: 1400
DAYS RE: 300 LAT: 14°
JST: 0550 LONG: 140°
TEMP: 25°C WIND DIR: N
RH: 25% VIS: 15m
AVG: 1



CONFIDENTIAL

CONFIDENTIAL

BG 4

*B13864-007 Sunlit Alafata Field. (CONFIDENTIAL)

*B13864-007 Alafata Field (Green). (CONFIDENTIAL)

SUBJECT CODES	BGCRB	CEC	CH	PUBLIC	JAF	ECB
---------------	-------	-----	----	--------	-----	-----

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT=

IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI=

CLD=

ALT= CAZ= 195

CLD=

RANGE= VTS=

VTS=

SUBJECT CODES

BGCRB

CEC

CH

PUBLIC

JAF

ECB

PARAMETER INFORMATION

DATE= TIME=

DAYS RE=

OBST=

TEMP=

DEW PT=

LAT= IAZ= 0

WIND SP=

N AVE= 1

LONG= CH= 65

WIND DI

CONFIDENTIAL

BG 5

*B1364-U15 Sunlit Alfalfa Field. (CONFIDENTIAL)

*B1364-U14

Sunlit Alfalfa Field. (CONFIDENTIAL)

SUBJECT CODES

MGMA CEC CM DMC PCE DLF KCB

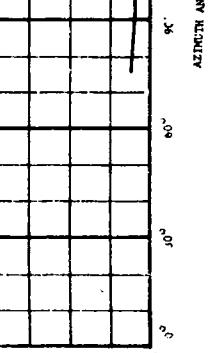
PARAMETER INFORMATION

TIME= 1140
DATE= 11-5
DAY RE= 1
ORST= 1
TEMP= 12°F
DEV PT= 1

LONG= LAT= 42° 0'
WIND SP= 0'
N AVE= 1
LND D1= .656

ALT= 50'
CLSD= 0'
VIS= 1.0

DEGREE OF LINEAR POLARIZATION



*B1364-U15 Sunlit Alfalfa Field. (CONFIDENTIAL)

SUBJECT CODES

MGMA CEC CM DMC PCE DLF KCB

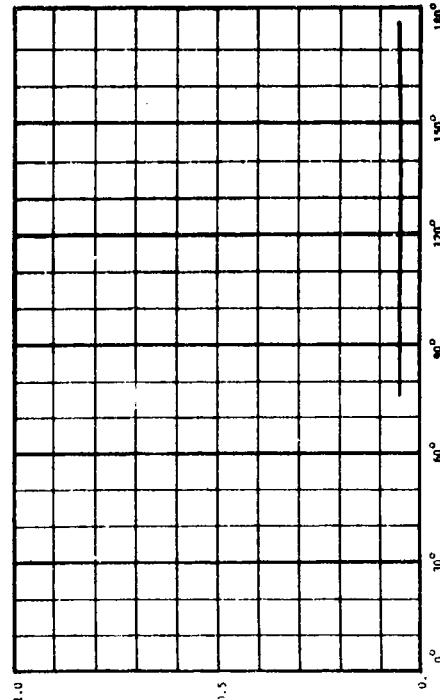
PARAMETER INFORMATION

TIME= 1140
DATE= 11-5
DAY RE= 1
ORST= 1
TEMP= 12°F
DEV PT= 1

LONG= LAT= 42° 0'
WIND SP= 0'
N AVE= 1
LND D1= .656

ALT= 50'
CLSD= 0'
VIS= 1.0

DEGREE OF LINEAR POLARIZATION



*B1364-U14 Sunlit Alfalfa Field. (CONFIDENTIAL)

SUBJECT CODES

MGMA CEC CM DMC PCE DLF KCB

PARAMETER INFORMATION

TIME= 1140
DATE= 11-5
DAY RE= 1
ORST= 1
TEMP= 12°F
DEV PT= 1

LONG= LAT= 42° 0'
WIND SP= 0'
N AVE= 1
LND D1= .656

ALT= 50'
CLSD= 0'
VIS= 1.0

DEGREE OF LINEAR POLARIZATION

*B1364-U14 Sunlit Alfalfa Field. (CONFIDENTIAL)

SUBJECT CODES

MGMA CEC CM DMC PCE DLF KCB

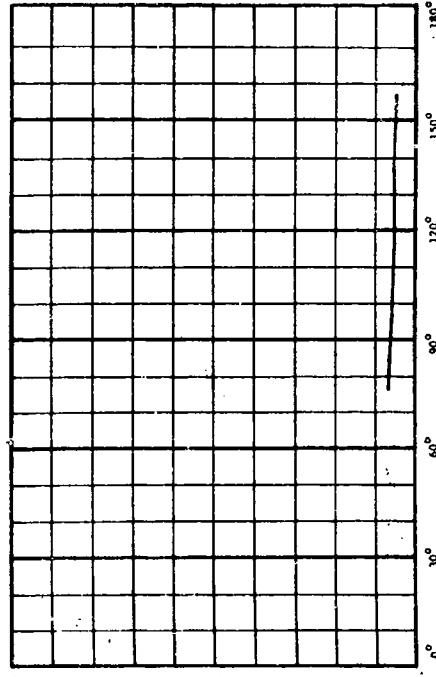
PARAMETER INFORMATION

TIME= 1140
DATE= 11-5
DAY RE= 1
ORST= 1
TEMP= 12°F
DEV PT= 1

LONG= LAT= 42° 0'
WIND SP= 0'
N AVE= 1
LND D1= .52

ALT= 50'
CLSD= 0'
VIS= 1.0

DEGREE OF LINEAR POLARIZATION



*B1364-U15 Sunlit Alfalfa Field. (CONFIDENTIAL)

*B1364-U16 Sunlit Alfalfa Field. (CONFIDENTIAL)

SUBJECT CODES

MGMA CEC CM DMC PCE DLF KCB

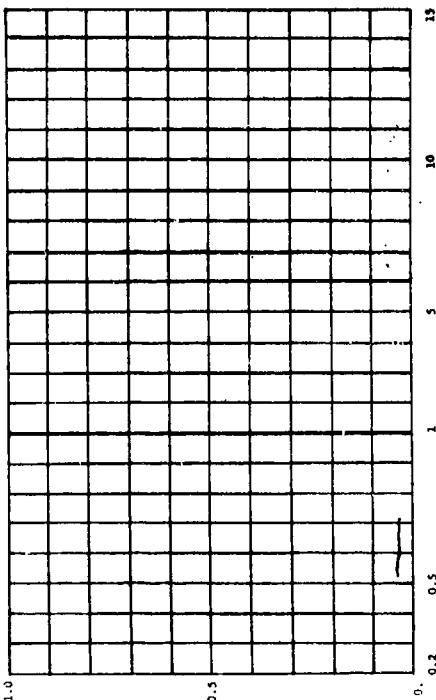
PARAMETER INFORMATION

TIME= 1140
DATE= 11-5
DAY RE= 1
ORST= 1
TEMP= 12°F
DEV PT= 1

LONG= LAT= 42° 0'
WIND SP= 0'
N AVE= 1
LND D1= .52

ALT= 50'
CLSD= 0'
VIS= 1.0

DEGREE OF LINEAR POLARIZATION



*B1364-U16 Sunlit Alfalfa Field. (CONFIDENTIAL)

CONFIDENTIAL

CONFIDENTIAL

BG 6

*B1368-017 Sunlit Alfalfa Field. (CONFIDENTIAL)

*B1368-018 Sunlit Alfalfa Field. (CONFIDENTIAL)

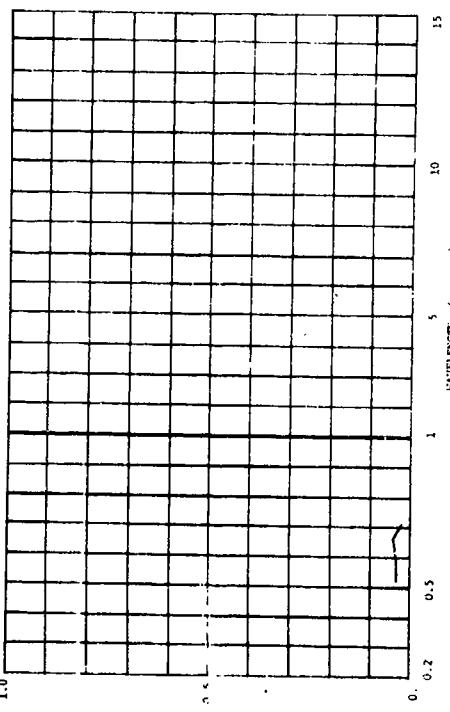
SUBJECT CODES

ECRCA CEC CM UDRBC DLF ECR

PARAMETER INFORMATION

DATE= 64 TIME= 1600 LAT= 142° 0' LONG= 65° 5' ALT= 245' RANGE= IRB-A
DAYS RE= 10 WIND SP= 0' CLD= VLS=

ORST= 1000' TEMP= 20' DEM PT= N AVE= 1'



*B1400A-020 Oak Leaf, 2 Days Old. (CONFIDENTIAL)

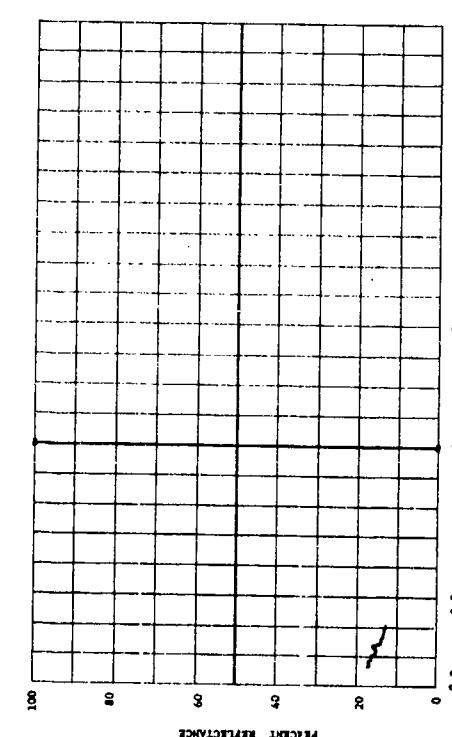
SUBJECT CODES

ECRCA CEC CDC DPAA DFCD DK ECAC ECAD

PARAMETER INFORMATION

DATE= 64 TIME= 1600 LAT= 142° 0' LONG= 65° 5' ALT= 245' RANGE= IRB-E
DAYS RE= 10 WIND SP= 0' CLD= VLS=

ORST= 1000' TEMP= 20' DEM PT= N AVE= 1'



*B1400A-021 Oak Leaf, 2.5 Hrs. After Picking. (CONFIDENTIAL)

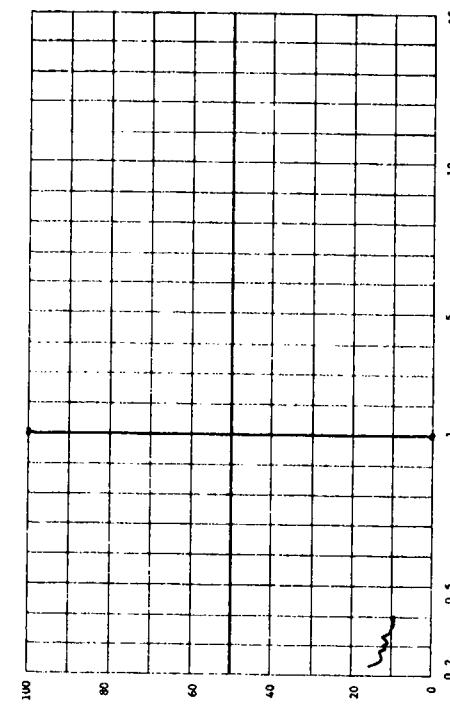
SUBJECT CODES

ECRCA EGF CDC CED DFAA DFCD DK ECAC ECAD

PARAMETER INFORMATION

DATE= 64 TIME= 1600 LAT= 142° 0' LONG= 65° 5' ALT= 245' RANGE= IRB-E
DAYS RE= 10 WIND SP= 0' CLD= VLS=

ORST= 1000' TEMP= 20' DEM PT= N AVE= 1'



CONFIDENTIAL

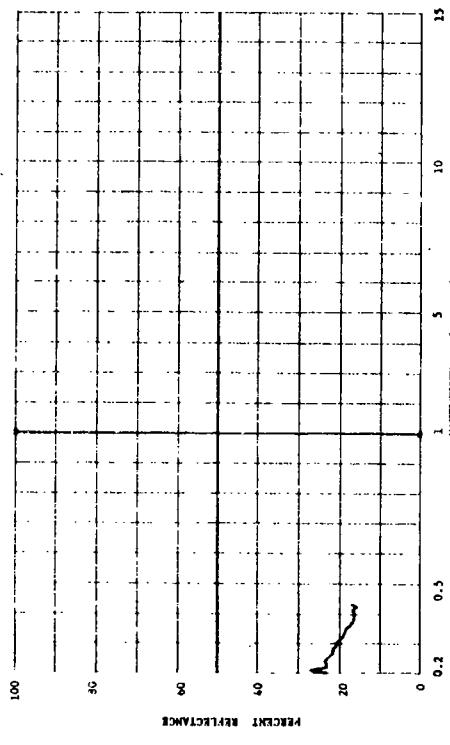
CONFIDENTIAL

BG 7

*S14004-041 Oak Leaf, Bottom. (CONFIDENTIAL)

SUBJECT CODES
ACBAC ACFTC CDC CED DFAA DFCD DK ECAC ECAD

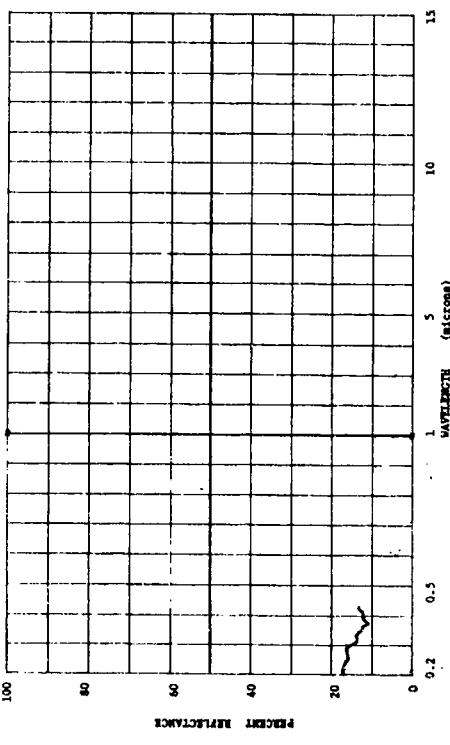
PARAMETER INFORMATION
DATE=04 TIME= 64
DAYS REM= 2
OAST= 1
TEMP= 70°F
DEW PT= 55°F
WIND SP= N AVE= 1
DIR= PT=



*S14004-043 Oak Leaf, About 2 Hrs. After Picking. (CONFIDENTIAL)

SUBJECT CODES
ACBAC ACFTC CDC CED DFAA DFCD DK ECAC ECAD

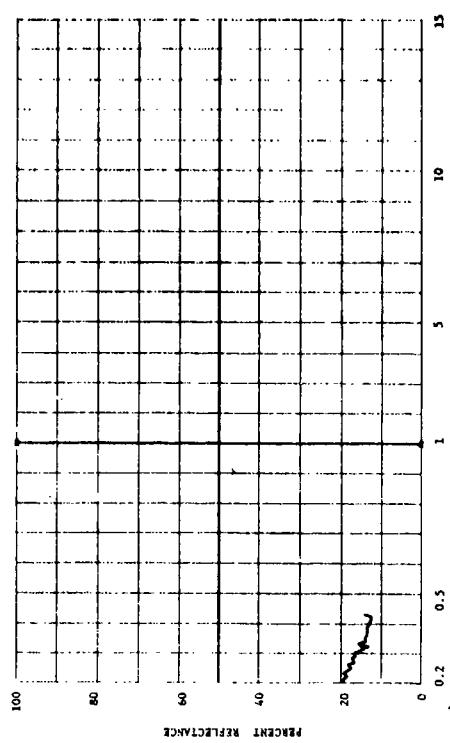
PARAMETER INFORMATION
DATE=04 TIME= 64
DAYS REM= 1
OAST= 1
TEMP= 70°F
DEW PT= 55°F
WIND SP= N AVE= 1
DIR= PT=



*S14004-042 Oak Leaf, Top. (CONFIDENTIAL)

SUBJECT CODES
ACBAC ACFTC CDC CED DFAA DFCD DK ECAC ECAD

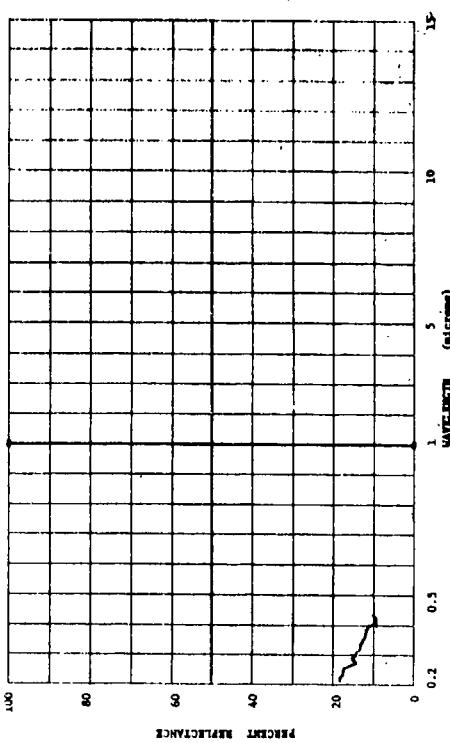
PARAMETER INFORMATION
DATE=04 TIME= 64
DAYS REM= 2
OAST= 1
TEMP= 70°F
DEW PT= 55°F
WIND SP= N AVE= 1
DIR= PT=



*S14004-044 Oak Leaf, About 4 Hrs. After Picking. (CONFIDENTIAL)

SUBJECT CODES
ACBAC ACFTC CDC CED DFAA DFCD DK ECAC ECAD

PARAMETER INFORMATION
DATE=04 TIME= 64
DAYS REM= 2
OAST= 1
TEMP= 70°F
DEW PT= 55°F
WIND SP= N AVE= 1
DIR= PT=



CONFIDENTIAL

CONFIDENTIAL

BG 8

• 814004-103 Water Oak, 3-8 Hrs. After Picking. (CONFIDENTIAL)

• 814004-103 Water Oak, 3-8 Hrs. After Picking. (CONFIDENTIAL)

• 814004-105 Oak Leaf, Top. About 2 hrs. After Picking. (CONFIDENTIAL)

SUBJECT CODES

ACDNC AGFD CUC CED DFA DFCD DK ECAC ECAD

ECB

ECCB

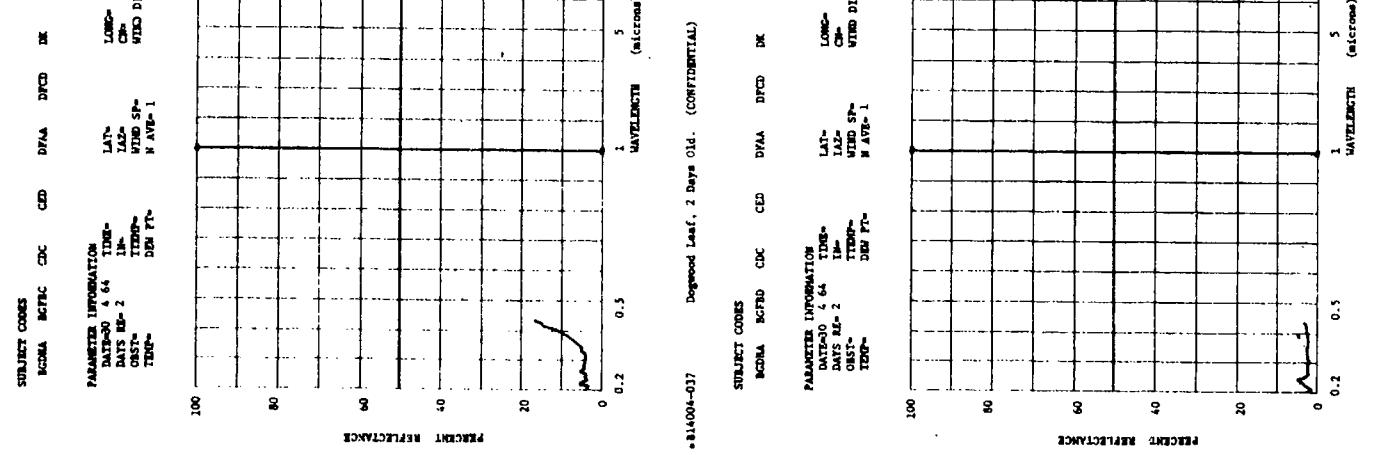
ECCA

CONFIDENTIAL

BO 9

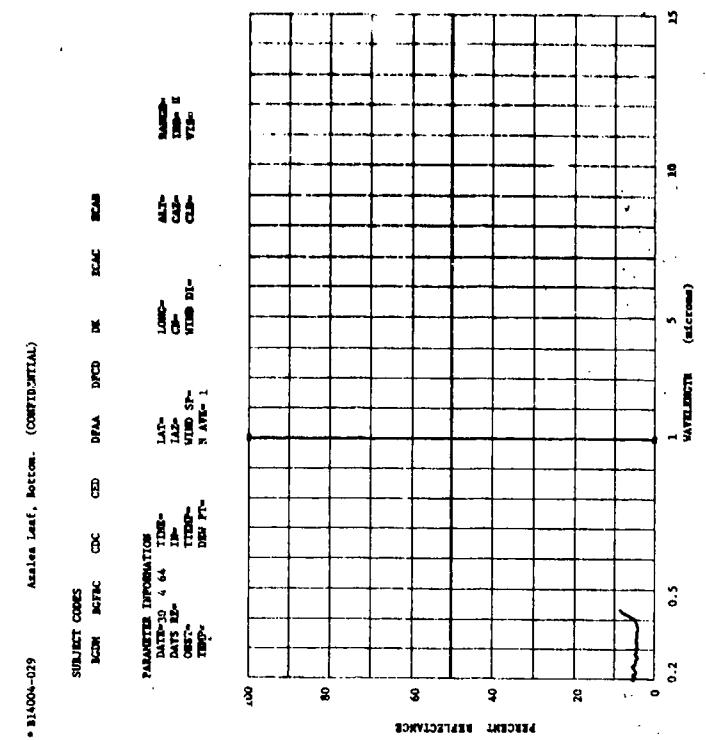
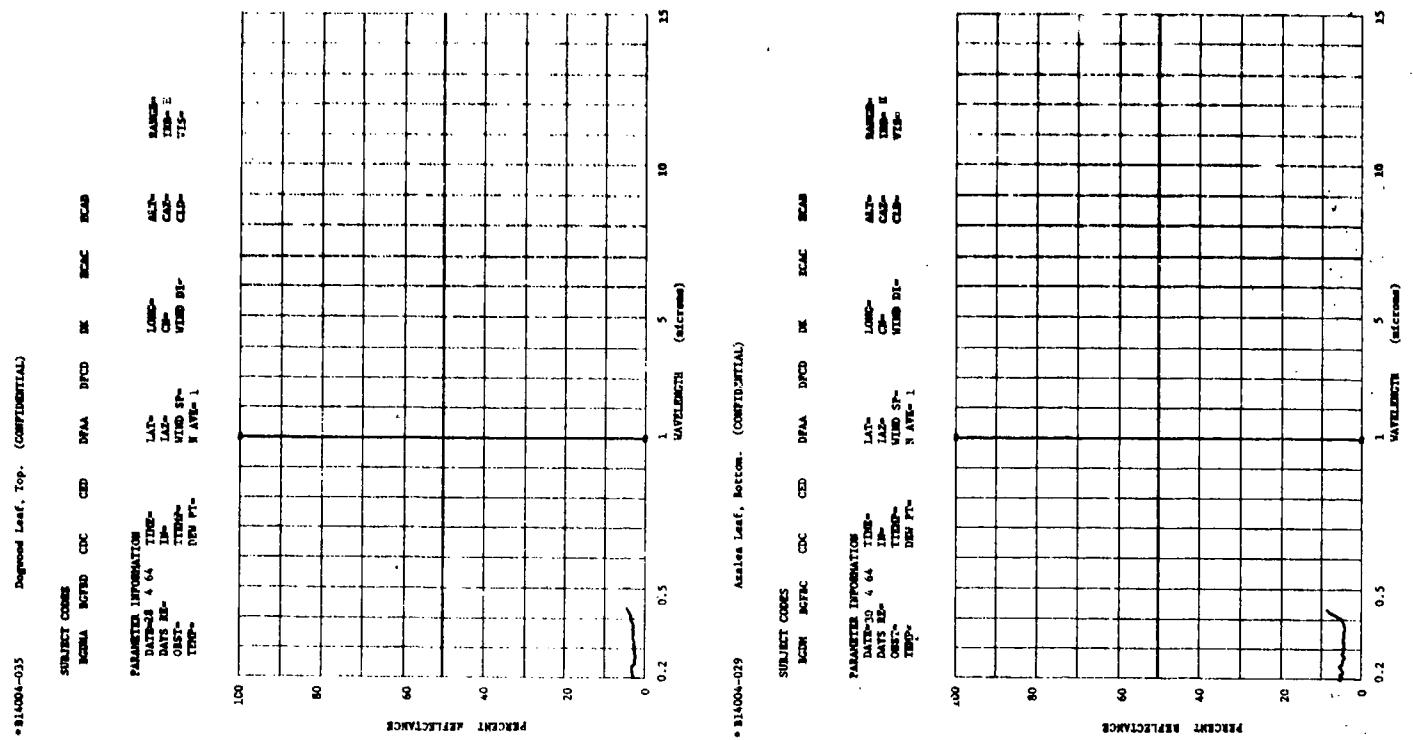
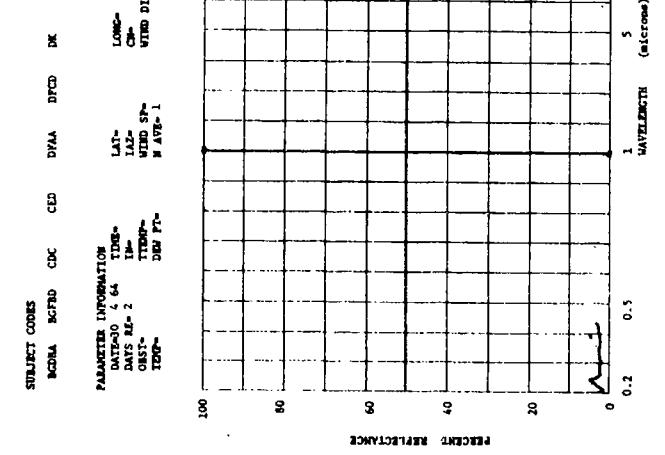
* 814004-033 Degreen Leaf, 2 Days Old. (CONFIDENTIAL)

* 814004-035 Degreen Leaf, Top. (CONFIDENTIAL)



* 814004-037 Degreen Leaf, 2 Days Old. (CONFIDENTIAL)

* 814004-039 Asales Leaf, Bottom. (CONFIDENTIAL)



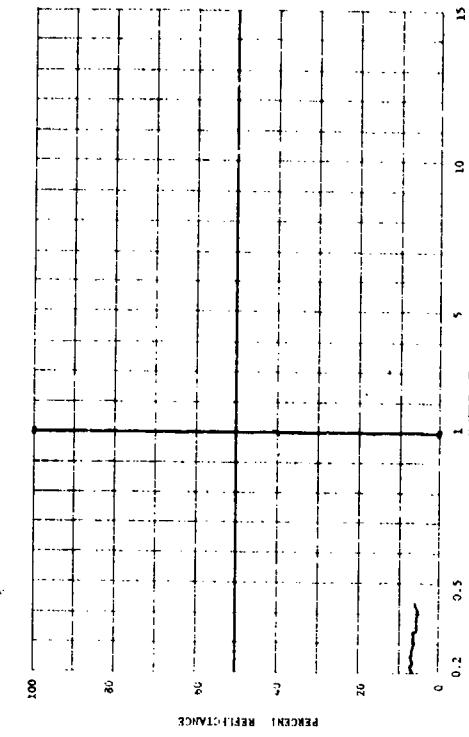
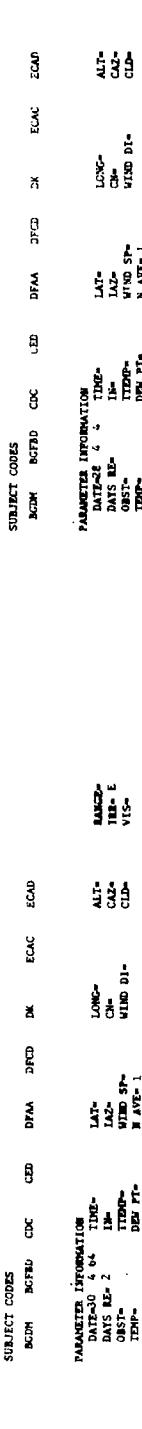
CONFIDENTIAL

* 51-004-030 Azalea, leaf, top. (CONFIDENTIAL)

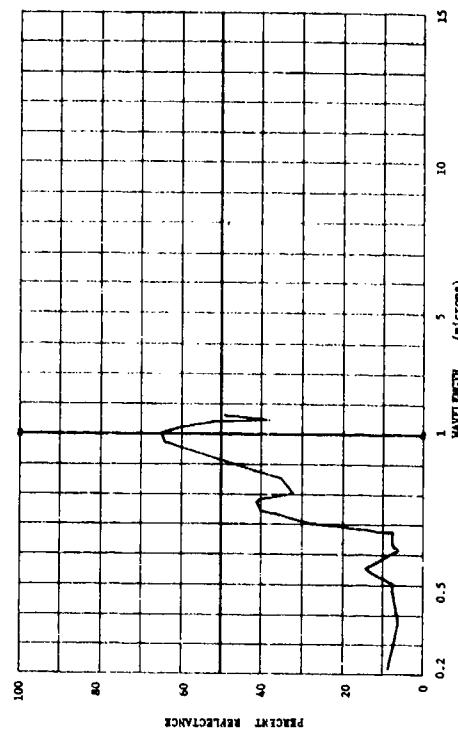
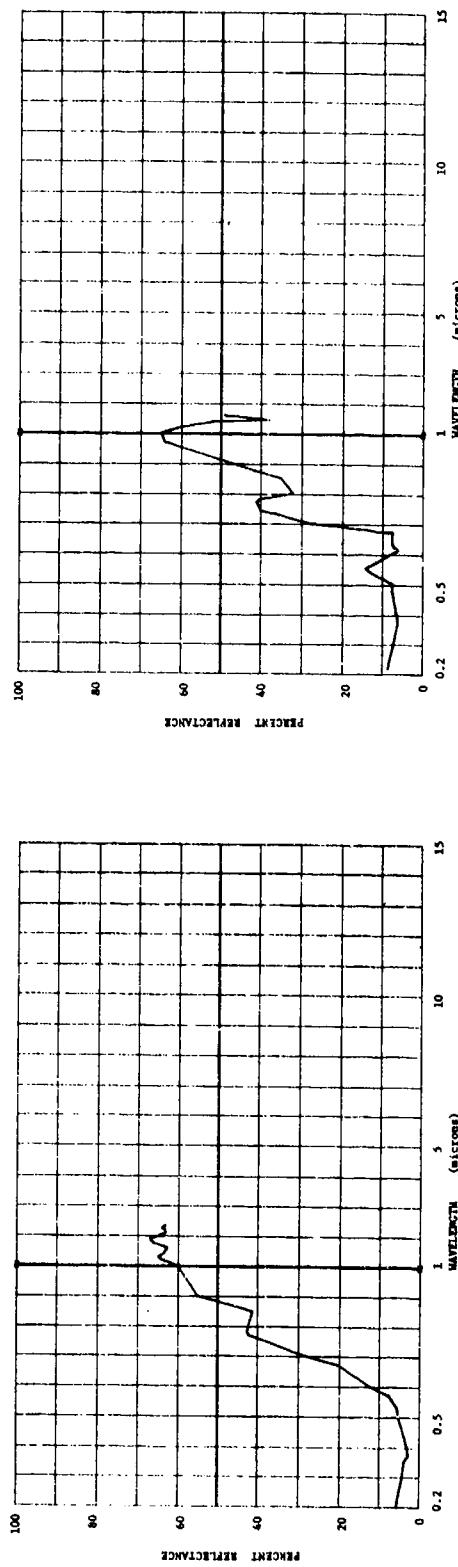
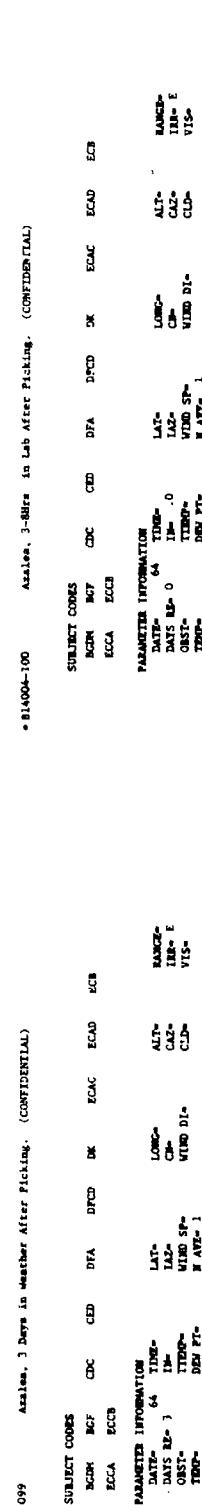
* 51-004-031 Azalea Leaf, Top. (CONFIDENTIAL)

BQ 10

CONFIDENTIAL



* 51-004-100 Azalea, 3-Days in Lab After Picking. (CONFIDENTIAL)



CONFIDENTIAL

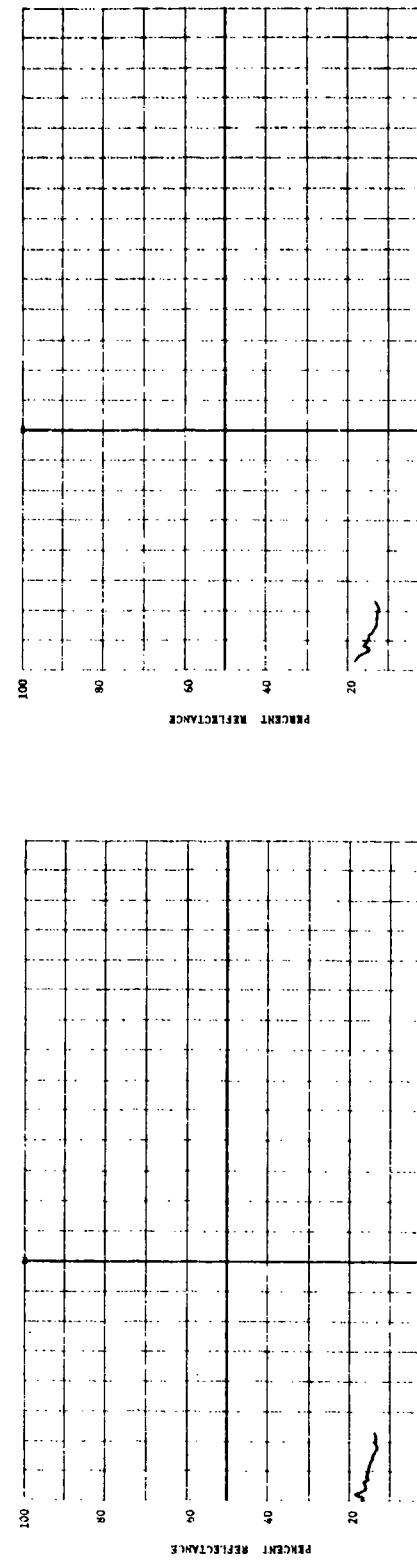
CONFIDENTIAL

BG 11

* B14004-022 Avocado Leaf, Top--About 2 hrs. After Picking. (CONFIDENTIAL)

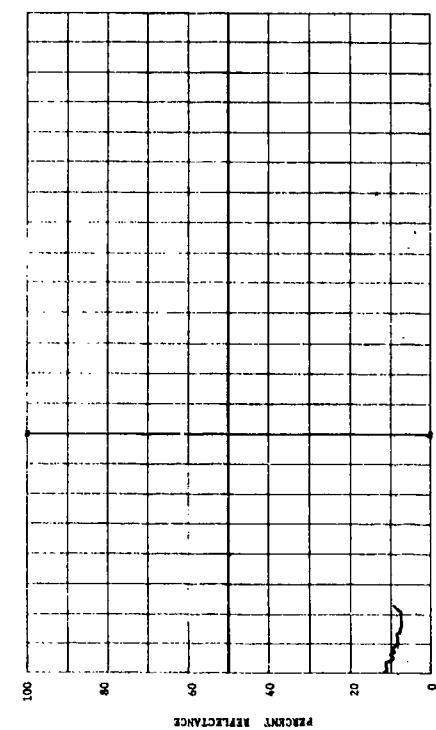
* B14004-023 Avocado Leaf, Top--About 4 hrs. After Picking. (CONFIDENTIAL)

SUBJECT CODES	ICGP	AGFD	GDC	CED	DFAA	DPCD	DK	ECAC	ECAF	
PARAMETER INFORMATION										
DATE*	64	TIME*	LAT*	LONG*	ALT*	RANGE*				
DATE RE*	13e	LAZ*	CLAZ*	CLD*	CLB*	TRB* E				
OBST*		WIND SP*		WIND DIR*						
TDR*		AVG PT*		VIS*						
SUBJECT CODES										
ICGP	AGFD	GDC	CED	DFAA	DPCD	DK	ECAC	ECAF	BLAD	



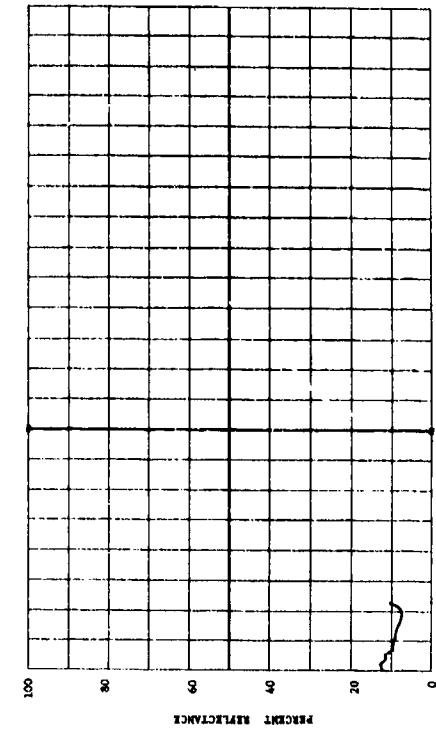
* B14004-024 Avocado Leaf, Bottom--About 2 Days Old. (CONFIDENTIAL)

SUBJECT CODES	ICGP	AGFD	GDC	CED	DFAA	DPCD	DK	ECAC	ECAF	
PARAMETER INFORMATION										
DATE=30	64	TIME*	LAT*	LONG*	ALT*	RANGE*				
DATE RE*	2	LAZ*	CLAZ*	CLD*	CLB*	TRB* E				
OBST*		WIND SP*		WIND DIR*						
TDR*		AVG PT*		VIS*						
SUBJECT CODES										
ICGP	AGFD	GDC	CED	DFAA	DPCD	DK	ECAC	ECAF	BLAD	



* B14004-025 Avocado Leaf, Bottom--About 2 hrs. After Picking. (CONFIDENTIAL)

SUBJECT CODES	ICGP	AGFD	GDC	CED	DFAA	DPCD	DK	ECAC	ECAF	
PARAMETER INFORMATION										
DATE=64	13e	TIME*	LAT*	LONG*	ALT*	RANGE*				
DATE RE*	13e	LAZ*	CLAZ*	CLD*	CLB*	TRB= E				
OBST*		WIND SP*		WIND DIR*						
TDR*		AVG PT*		VIS*						
SUBJECT CODES										
ICGP	AGFD	GDC	CED	DFAA	DPCD	DK	ECAC	ECAF	BLAD	



CONFIDENTIAL

CONFIDENTIAL

BG 12

* B1-4004-045 Cluster of Loblolly Pines. (CONFIDENTIAL)

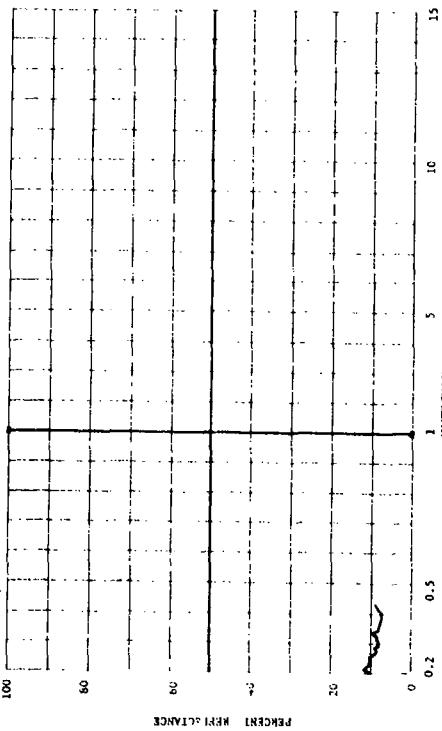
* B1-4004-026 Avocado Leaf, Top—about 2 Days Old. (CONFIDENTIAL)

SUBJECT CODES

SCDF RFD CDC CEC DFAC DFK ECAF ECAC ECAD

PARAMETERS INFORMATION

DATE=30 4 64 TIME= 13h
DAYS RE= 2 WIND SP= 1
0837° OBST= 1
TEMP= 26.1 PT= 1



* B1-4004-038 Japanese Plum Leaf, Bottom. (CONFIDENTIAL)

SUBJECT CODES

SCDF RFD CDC CEC DFAC DFK ECAF ECAC ECAD

PARAMETERS INFORMATION

DATE=30 4 64 TIME= 13h
DAYS RE= 2 WIND SP= 1
0837° OBST= 1
TEMP= 26.1 PT= 1

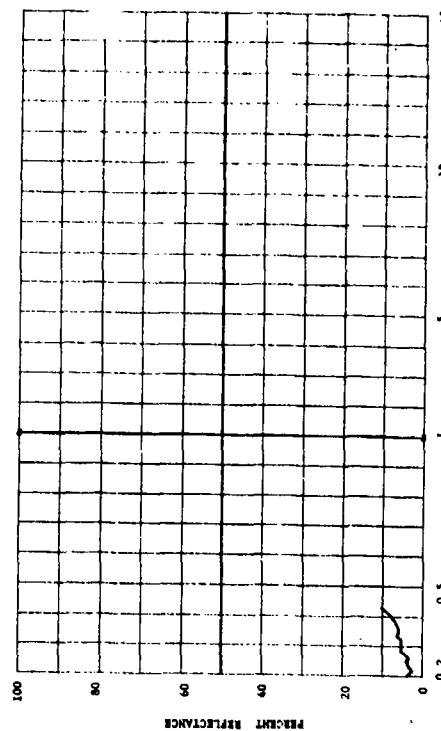
* B1-4004-139 Japanese Plum Leaf, Top. (CONFIDENTIAL)

SUBJECT CODES

SCDF RFD CDC CEC DFAC DFK ECAF ECAC ECAD

PARAMETERS INFORMATION

DATE=30 4 64 TIME= 13h
DAYS RE= 2 WIND SP= 1
0837° OBST= 1
TEMP= 26.1 PT= 1



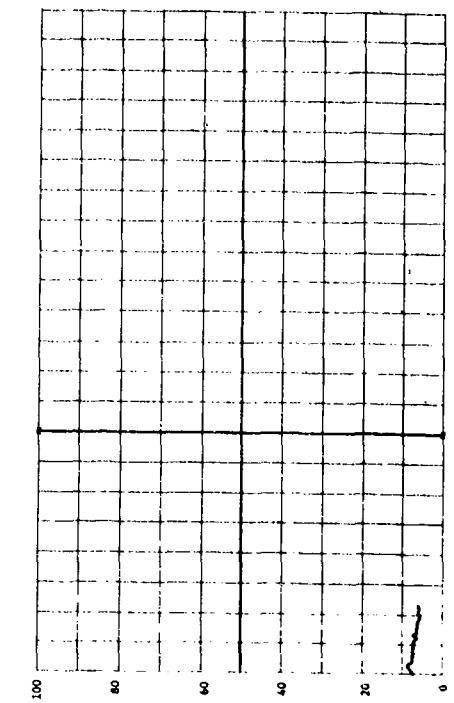
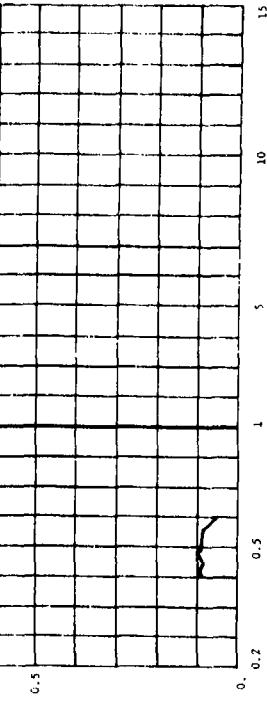
* B1-4004-045 Cluster of Loblolly Pines. (CONFIDENTIAL)

SUBJECT CODES

SCDF RFD CDC CEC DFAC DFK ECAF ECAC ECAD

PARAMETERS INFORMATION

DATE=30 4 64 TIME= 13h
DAYS RE= 2 WIND SP= 1
0837° OBST= 1
TEMP= 26.1 PT= 1



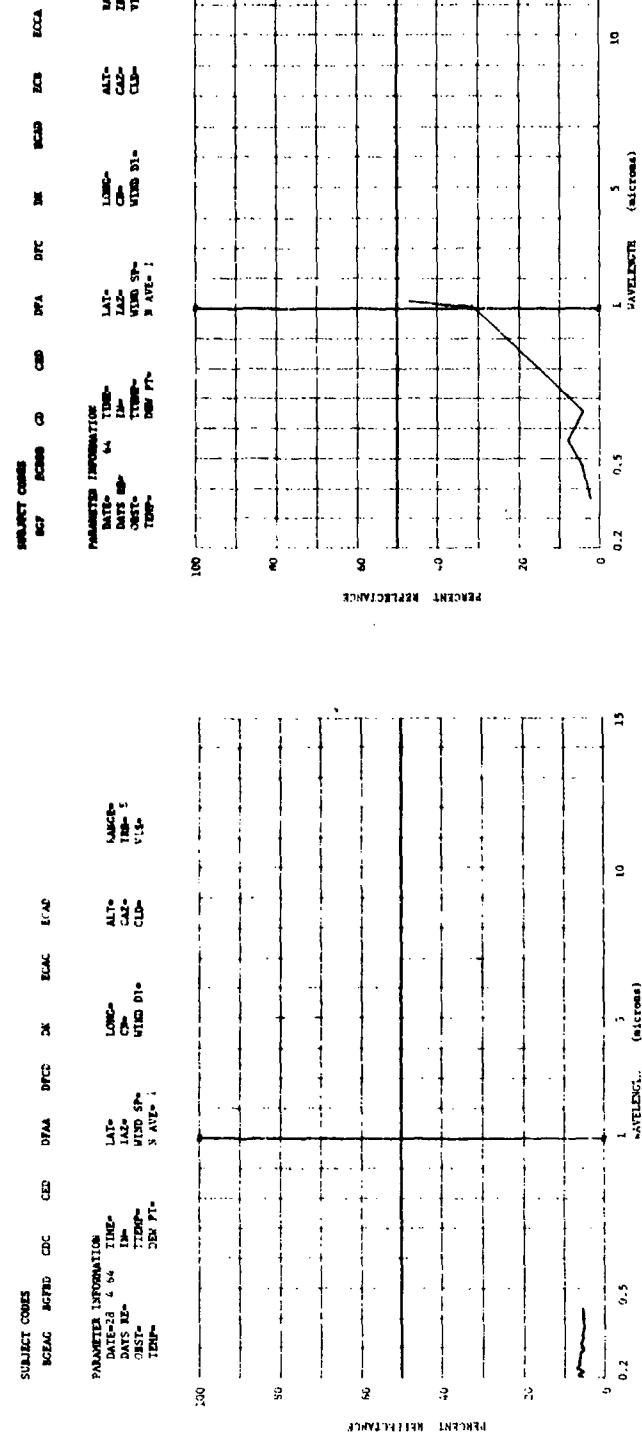
CONFIDENTIAL

SECRET

BG 13

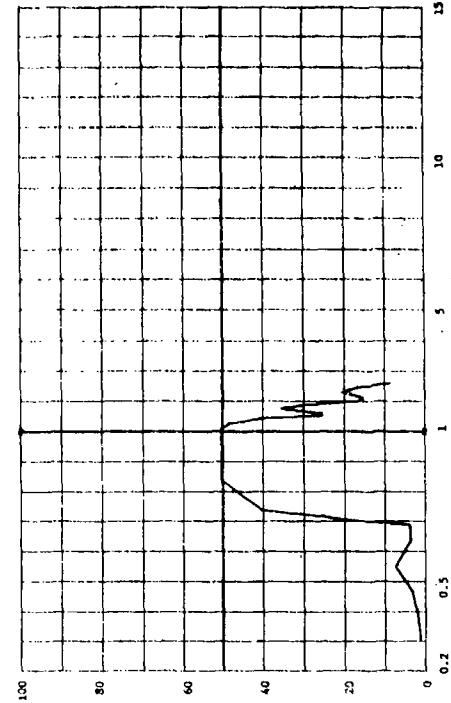
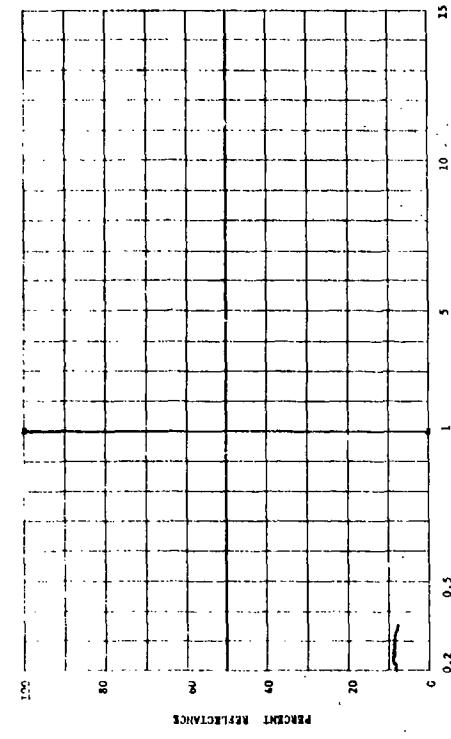
* B13946-024 Impassee Palm Leaf. (CONFIDENTIAL)

* B13946-024 Light Curve and Beam Cross Section, Imp. (SECRET)



* B13946-024 Palm Leaves. (SECRET)

* B13946-024 Plant Leaves. (SECRET)



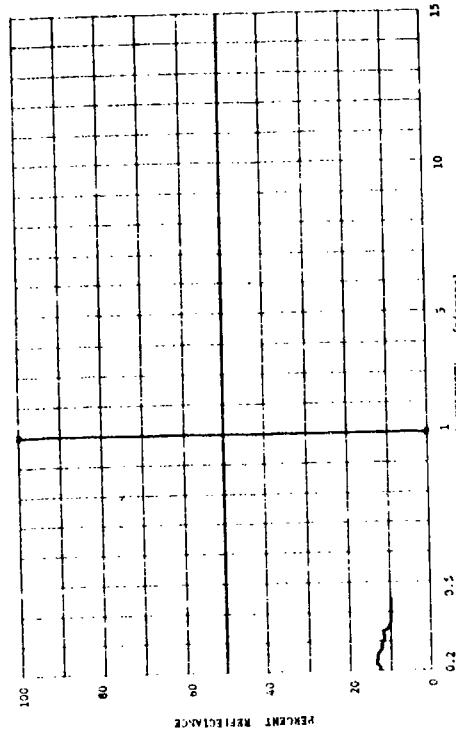
CONFIDENTIAL

RG 16

*B14004-050 Bleeding Heart Leaf, 2 Days After Picking. (CONFIDENTIAL)

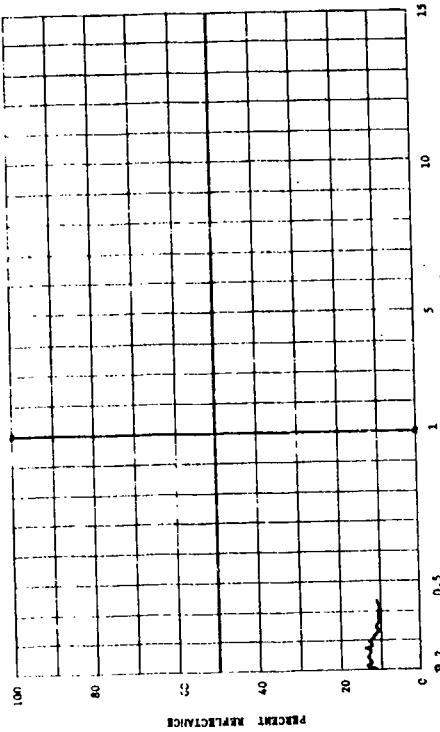
*B14004-052 Lantana Leaf, 2 Days After Picking. (CONFIDENTIAL)

SUBJECT CODES
BCF CDC DFA DFD DK ECAC ECAD
PARAMETER INFORMATION
DATE= 64 TIME= 10m
DAYS RE= 2 LAT= 11.2°
OBST= WIND SP= N AVP= 1
TIME= 0857°
TEMP= 0.0°F+



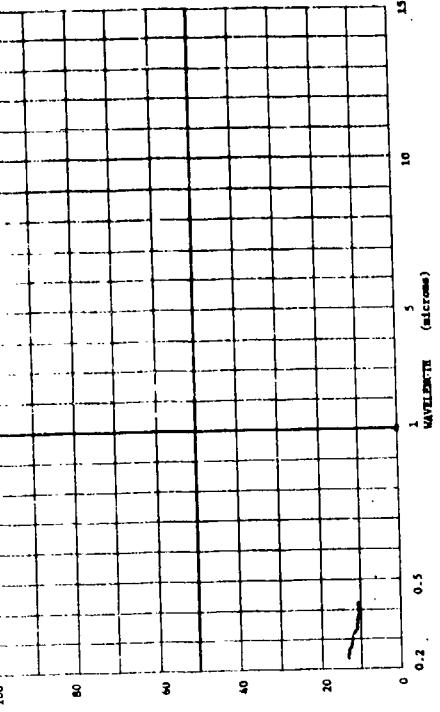
*B14004-063 Punk Tree Leaf. (CONFIDENTIAL)

SUBJECT CODES
BCF CDC DFA DFD DK ECAC ECAD
PARAMETER INFORMATION
DATE= 64 TIME= 10m
DAYS RE= 2 LAT= 11.2°
OBST= WIND SP= N AVP= 1
TIME= 0857°
TEMP= 0.0°F+



*B14004-064 Punk Tree Leaf. (CONFIDENTIAL)

SUBJECT CODES
BCF CDC DFA DFD DK ECAC ECAD
PARAMETER INFORMATION
DATE= 64 TIME= 10m
DAYS RE= 2 LAT= 11.2°
OBST= WIND SP= N AVP= 1
TIME= 0857°
TEMP= 0.0°F+



CONFIDENTIAL

CONFIDENTIAL

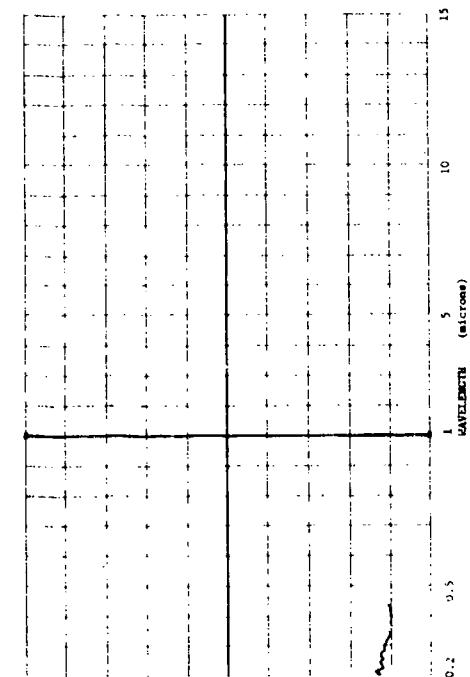
* Bl1004-06b Punk Tree Leaf. (CONFIDENTIAL)

* Bl1004-06b Punk Tree Leaf. (CONFIDENTIAL)

* Bl1004-06b Punk Tree Leaf. (CONFIDENTIAL)

SUBJECT CODES
BCF LxD DFD DFA DFD Ix ECAC ECAD

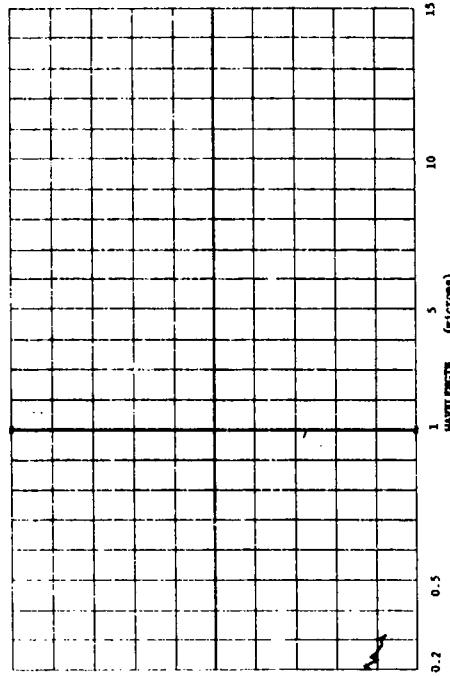
PARAMETER INFORMATION
DATE=21-06 TIME= 15⁰⁰
DAYS RE= 01 TEMP= 24⁰
ONST= 0000 WIND SP= 0000
DESI PT= 0000 ALT= 0000
TEMP= 0000



* Bl1004-06b Punk Tree Leaf. (CONFIDENTIAL)

SUBJECT CODES
BCF CDC DFA DFD Ix ECAC ECAD

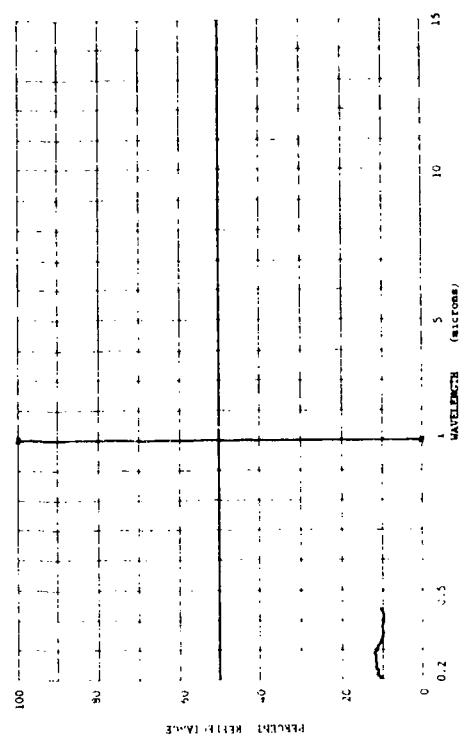
PARAMETER INFORMATION
DATE=21-06 TIME= 15⁰⁰
DAYS RE= 01 TEMP= 24⁰
ONST= 0000 WIND SP= 0000
DESI PT= 0000 ALT= 0000
TEMP= 0000



CONFIDENTIAL

SUBJECT CODES
BCF CDC DFA DFD Ix ECAC ECAD

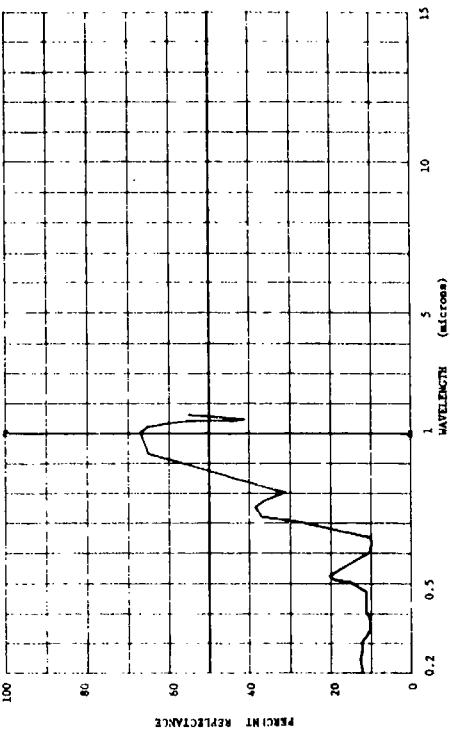
PARAMETER INFORMATION
DATE=21-06 TIME= 15⁰⁰
DAYS RE= 01 TEMP= 24⁰
ONST= 0000 WIND SP= 0000
DESI PT= 0000 ALT= 0000
TEMP= 0000



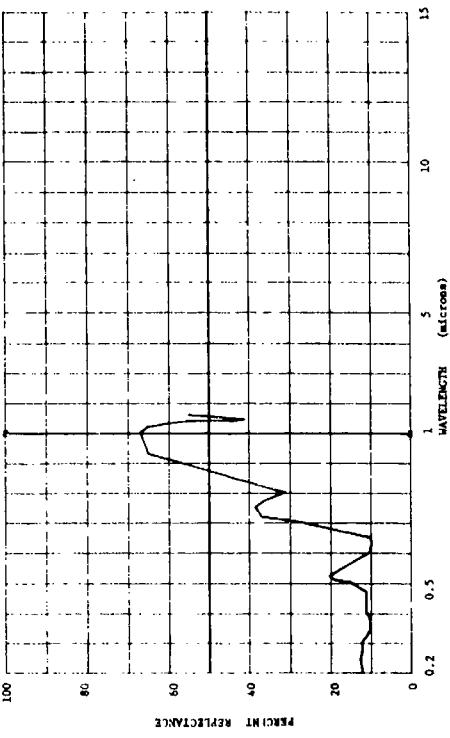
* Bl1004-06b Punk Tree Leaf. (CONFIDENTIAL)

SUBJECT CODES
BCF CDC DFA DFD Ix ECAC ECAD

PARAMETER INFORMATION
DATE=21-06 TIME= 15⁰⁰
DAYS RE= 01 TEMP= 24⁰
ONST= 0000 WIND SP= 0000
DESI PT= 0000 ALT= 0000
TEMP= 0000



1



1

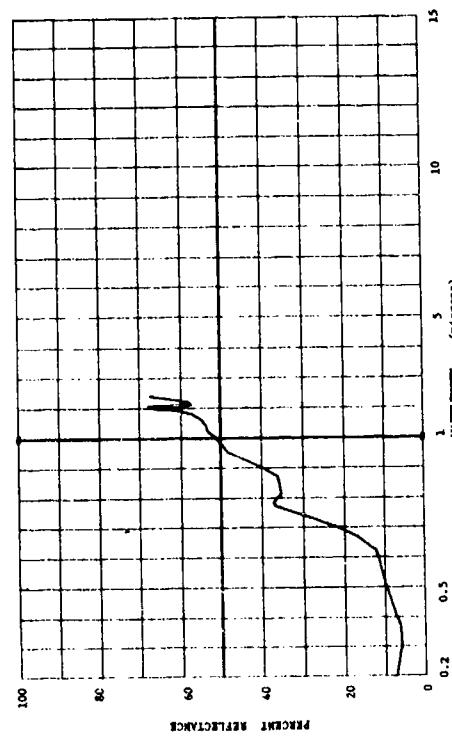
CONFIDENTIAL

BO 17

* B14004-048 Latent, 3 Days in Weather After Picking. (CONFIDENTIAL)

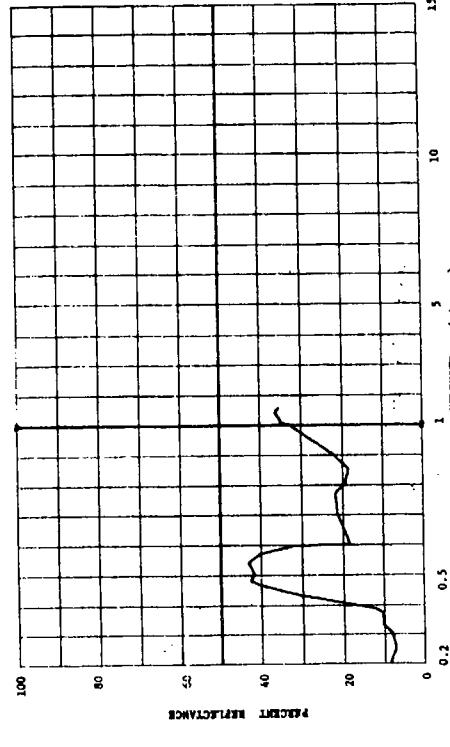
* B14004-105 Telephone Ext. 3-8 Hrs. In Lab After Picking. (CONFIDENTIAL)

SUBJECT CODES					
BCF	CDC	DFA	DPCD	IK	ECAC
ECCS					ECCA
PARAMETER INFORMATION					
DATE- 04 08-18- 0818- 1986	TIME- 14h 1400h 1400- 1986	LAT- 140° LAT- 140° WIND SP- N AT&- 1	LONG- 00° 00° WIND DI- 000° N AT&- 1	ALT- 100' 100' WIND SP- N AT&- 1	RANGE- 100' 100' WIND DI- 000° N AT&- 1



* B14004-106 Telephone Ext. 3 Days in Weather After Picking. (CONFIDENTIAL)

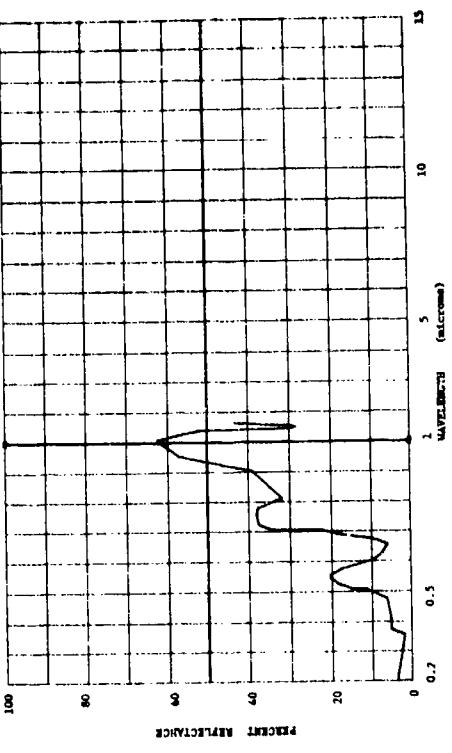
SUBJECT CODES					
BCF	CDC	DFA	DPCD	IK	ECAC
ECCS					ECCA
PARAMETER INFORMATION					
DATE- 04 08-18- 0818- 1986	TIME- 14h 1400h 1400- 1986	LAT- 140° LAT- 140° WIND SP- N AT&- 1	LONG- 00° 00° WIND DI- 000° N AT&- 1	ALT- 100' 100' WIND SP- N AT&- 1	RANGE- 100' 100' WIND DI- 000° N AT&- 1



* B14004-048 Latent, 3 Days in Weather After Picking. (CONFIDENTIAL)

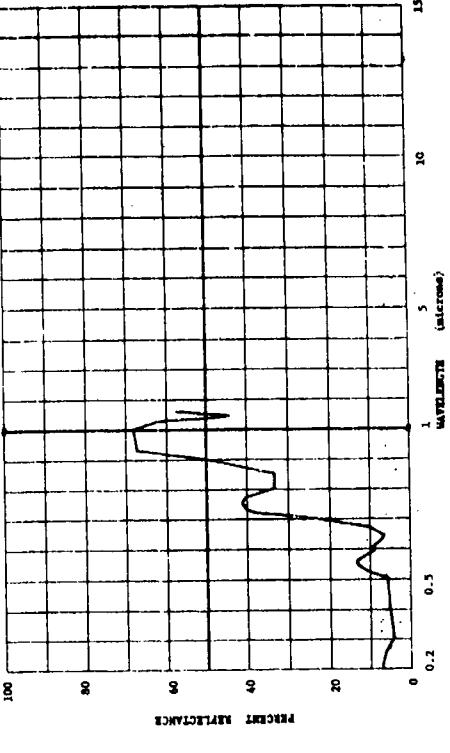
* B14004-105 Telephone Ext. 3-8 Hrs. In Lab After Picking. (CONFIDENTIAL)

SUBJECT CODES					
BCF	CDC	DFA	DPCD	IK	ECAC
ECCS					ECCA
PARAMETER INFORMATION					
DATE- 04 08-18- 0818- 1986	TIME- 14h 1400h 1400- 1986	LAT- 140° LAT- 140° WIND SP- N AT&- 1	LONG- 00° 00° WIND DI- 000° N AT&- 1	ALT- 100' 100' WIND SP- N AT&- 1	RANGE- 100' 100' WIND DI- 000° N AT&- 1



* B14004-107 Bleeding Heart, 3-5 Hrs. In Lab After Picking. (CONFIDENTIAL)

SUBJECT CODES					
BCF	CDC	DFA	DPCD	IK	ECAC
ECCS					ECCA
PARAMETER INFORMATION					
DATE- 04 08-18- 0818- 1986	TIME- 14h 1400h 1400- 1986	LAT- 140° LAT- 140° WIND SP- N AT&- 1	LONG- 00° 00° WIND DI- 000° N AT&- 1	ALT- 100' 100' WIND SP- N AT&- 1	RANGE- 100' 100' WIND DI- 000° N AT&- 1



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EX-10

* 314004-108 Bleeding Heart, 3 Days in Weather After Picking. (CONFIDENTIAL)

* 314004-109 Boston Fern, 3-6 hrs. In Lab After Picking. (CONFIDENTIAL)

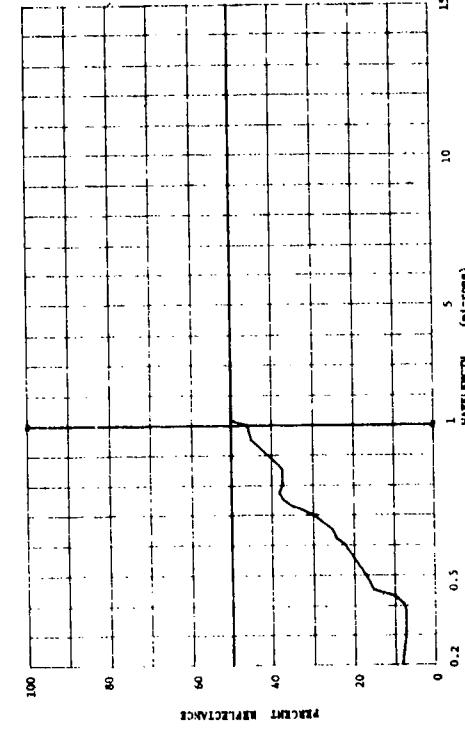
SUBJECT CODES	BGF	CDC	CED	DFA	DFCD	DK	ECAC	ECAD	ECA	ECB	ECCA
ECBR											

PARAMETER INFORMATION

DATE= 64 TIME= 15-
DAYS RE= 3 TUE-
ORIG= VEND SP= 1
TEMP= 65 FT= N AVE= 1

LONG= CH-
LAT= TUE-
WIND DIR= N AVE= 1

RANGE= C-
ALT= C-
TIME= C-
LAT= TUE-
CH= VEND SP= 1
WIND DIR= N AVE= 1



* 314004-110 Boston Fern, 3 Days in Weather After Picking. (CONFIDENTIAL)

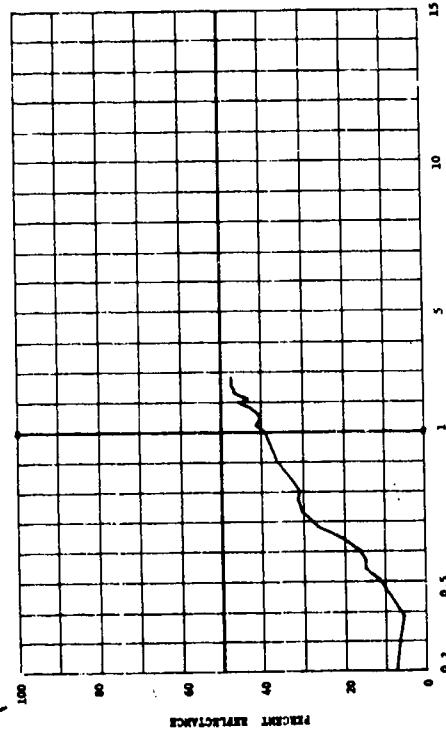
SUBJECT CODES	BGF	CDC	CED	DFA	DFCD	DK	ECAC	ECAD	ECA	ECB	ECCA
ECBR											

PARAMETER INFORMATION

DATE= 64 TIME= 15-
DAYS RE= 3 TUE-
ORIG= VEND SP= 1
TEMP= 65 FT= N AVE= 1

LONG= CH-
LAT= TUE-
WIND DIR= N AVE= 1

RANGE= C-
ALT= C-
TIME= C-
LAT= TUE-
CH= VEND SP= 1
WIND DIR= N AVE= 1



CONFIDENTIAL

BH
BACKGROUNDS
Water

SECRET

• 113946-031

Snow, Ola.

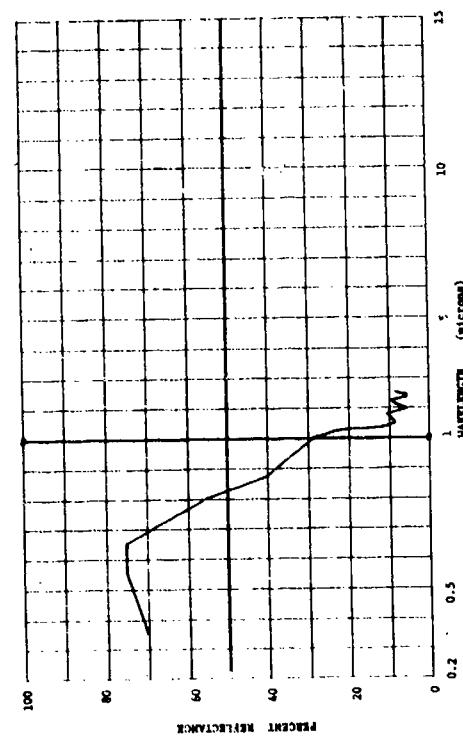
(SECRET)

SUBJECT CODES

SHD CD CEC DVA

PARAMETER INFORMATION

DATE- 62 TIME- 12h
DATE RE- 1962 TIME- 12h
ORIG- 0000 FT- 0000
TIME- 0000 FT- 0000



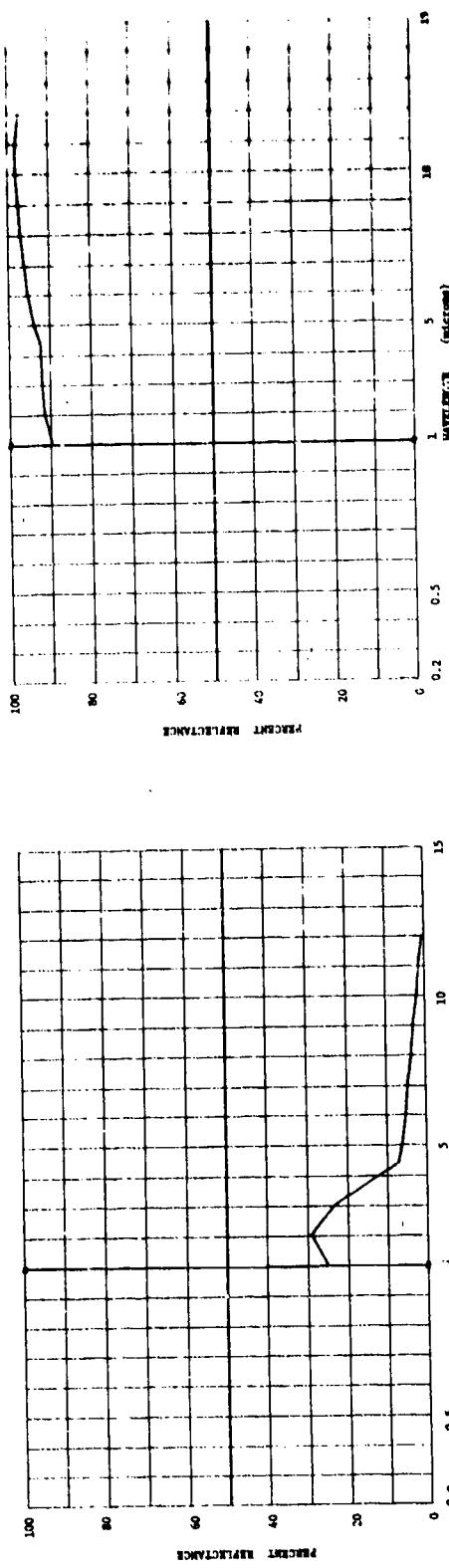
SECRET

**CJ
EQUIPMENT
Materials**

CONFIDENTIAL

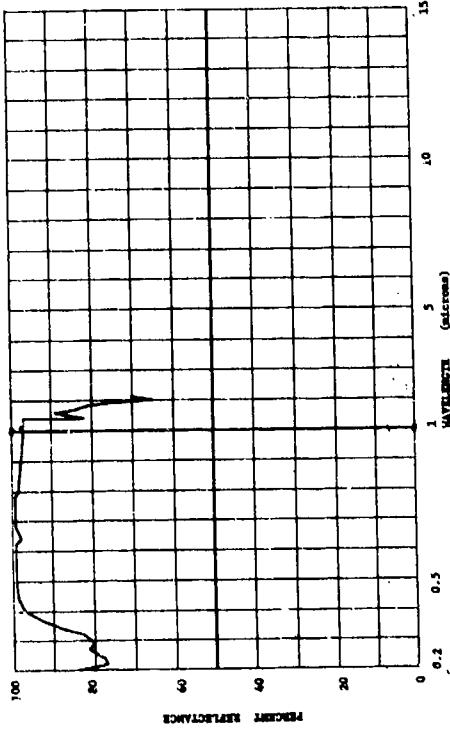
* 313501-019 Magnetite Oxide. (CONFIDENTIAL)

SUBJECT CODES	CJ	DRIC	CD	DTA	DEC	ECAC	EDC	ECC	EDD	EDF	EDG	EDH	EDK	EDL	EDM	EDN	EDP	EDQ	EDR	EDS	EDT	EDU	EDV	EDW	EDX						
PARAMETER INFORMATION																															
DATUM	55	TIME		LAT ^N		LONG ^E		ALT ^N		RANGE		TIME		LAT ^N		LONG ^E		ALT ^N		RANGE		TIME		LAT ^N		LONG ^E		ALT ^N		RANGE	
DATE	1970 08/08	TIME	1200 ZULU	LAT ^N	45.000	LONG ^E	105.000	ALT ^N	0.000	RANGE	1000	TIME	1200 ZULU	LAT ^N	45.000	LONG ^E	105.000	ALT ^N	0.000	RANGE	1000	TIME	1200 ZULU	LAT ^N	45.000	LONG ^E	105.000	ALT ^N	0.000	RANGE	1000
DEPTH	0.000	TEMP	20.000	VISIBILITY	1.000	ATMOSPHERE	1.000	WIND DIR	000	WIND SPD	0.000	ATMOSPHERE	1.000	VISIBILITY	1.000	WIND DIR	000	WIND SPD	0.000	ATMOSPHERE	1.000	VISIBILITY	1.000	WIND DIR	000	WIND SPD	0.000	ATMOSPHERE	1.000	VISIBILITY	1.000



* 313501-020 Magnetite Propagated Aluminosilicate. (CONFIDENTIAL)

SUBJECT CODES	CJ	DRIC	CD	DTA	DEC	ECAC	EDC	ECC	EDD	EDF	EDG	EDH	EDK	EDL	EDM	EDN	EDP	EDQ	EDR	EDS	EDT	EDU	EDV	EDW	EDX						
PARAMETER INFORMATION																															
DATUM	55	TIME		LAT ^N		LONG ^E		ALT ^N		RANGE		TIME		LAT ^N		LONG ^E		ALT ^N		RANGE		TIME		LAT ^N		LONG ^E		ALT ^N		RANGE	
DATE	1970 08/08	TIME	1200 ZULU	LAT ^N	45.000	LONG ^E	105.000	ALT ^N	0.000	RANGE	1000	TIME	1200 ZULU	LAT ^N	45.000	LONG ^E	105.000	ALT ^N	0.000	RANGE	1000	TIME	1200 ZULU	LAT ^N	45.000	LONG ^E	105.000	ALT ^N	0.000	RANGE	1000
DEPTH	0.000	TEMP	20.000	VISIBILITY	1.000	ATMOSPHERE	1.000	WIND DIR	000	WIND SPD	0.000	ATMOSPHERE	1.000	VISIBILITY	1.000	WIND DIR	000	WIND SPD	0.000	ATMOSPHERE	1.000	VISIBILITY	1.000	WIND DIR	000	WIND SPD	0.000	ATMOSPHERE	1.000	VISIBILITY	1.000



CONFIDENTIAL

Subjective Subject Codes

The left hand column is an alphabetical listing of materials, or objects, about which there are data in this compilation. The right hand column contains the chapters where those data may be found.

Subject	Reference Subject Code	Subject	Reference Subject Code
Airplane Cloth	Clothing AAKA	Iridate	Paint AEM
Alfalfa	Vegetation BG	Iron	Metal AEL
Aluminum	Aluminum AEA Equipment Materials CJ Paint AEM	Japanese Plum	Vegetation BG
Aluminum Foil	Aluminum AEA	Khaki	Clothing AAKA
Aluminum Mirror	Equipment Materials CJ	Lantanna	Vegetation BG
Aluminum Paint	Paint AEM	Laquer	Paint AEM
Asphalt	Asphalt AEB	Leave	Soil BF
Avocado	Vegetation BG	Leaves	Vegetation BG
Anula	Vegetation BG	Limestone	Soil BF
Banalt	Soil BF	Magnesium Carbonate	Equipment Materials CJ
Bleeding Heart	Vegetation BG	Magnesium Oxide	Equipment Materials CJ
Boston Fern	Vegetation BG	Marble	Soil BF
Brash	Metal AEL	Marine Green	Paint AEM
Brick	Brick AEC	Metal	Aluminum AEA Galvanized Steel AEI Metal AEL
Buna-N	Rubber AEP	Neoprene	Rubber AEP
Butyl	Rubber AEP	Oak	Vegetation BG
Camouflage	Clothing AAKA Paint AEM	Olive Drab	Clothing AAKA Paint AEM Plastic AEQ Rubber AEP
Cement	Concrete AEC	Ore	Soil BF
Ceramic	Tile AER	Pine	Vegetation BG
Charcoal	Wood AET	Plywood	Wood AET
Chrome	Metal AEL	Poplin	Clothing AAKA
Clay	Soil BF	Primer	Paint AEM
Cloth	Clothing AAKA	Punk	Vegetation BG
Clothing	Clothing AAKA Plastic AEQ Rubber AEP	Rice	Vegetation BG
Concrete	Concrete AEG	Roads	Asphalt AEB Concrete AEG Dirt AEH Tar AEQ
Conifers	Vegetation BG		
Coral	Soil BF	Rock	Soil BF
Cotton	Clothing AAKA	Rubber	Rubber AEP
Cotton Duck	Clothing AAKA	Rust	Metal AEL
Dirt	Paint AEM Soil BF Wood AET	Sand	Soil BF Tar AEQ
Dogwood	Vegetation BG	Sandy Loam	Soil BF
Elephant Ear	Vegetation BF	Shale	Soil BF
Enamel	Paint AEM	Silicone	Plastic AEQ
Feldspar	Soil BF	Slag	Soil BF
Galvanized Steel	Galvanized Steel AEI	Snow	Water BH
Granite	Soil BF	Soil	Soil BF
Graphite	Soil BF	Steel	Metal AEL
Grass	Vegetation BG	Tanks	Paint AEM
Gravel	Tar AEQ	Tar	Tar AEQ
GR-5	Rubber AEP	Tin	Metal AEL

Subject	Reference Subject Code	Material	Reference Subject Code
Trunks	Paint AEM	Vegetation	Vegetation B
Twigs	Vegetation BG	Vinyl	Plastic AB
Uniforms	Clothing AAKA Plastic ABO Rubber AEP	Wood	Vegetation BI
Uranium	Soil BP	Wood	Wood AET
		Wool	Clothing AAKA

AAKA CLOTHING, PERSONNEL, GROUND TARGETS,
TARGETS

B-135C1	C51	AAKA	1
B-135C1	C61	AAKA	1
H-135C1	C65	AAKA	1
B-135L1	C73	AAKA	1
H-135C1	C74	AAKA	2
B-135C1	C75	AAKA	2
B-135C1	C76	AAKA	2
B-135C1	C77	AAKA	2
B-135C1	C78	AAKA	3
B-135C1	C79	AAKA	3
B-135S1	C80	AAKA	3
B-135C1	081	AAKA	3
B-135C1	C62	AAKA	4
B-135C1	C83	AAKA	4
H-135C1	C84	AAKA	4
B-135C1	C85	AAKA	4
B-135S1	C86	AAKA	5
B-135C1	C87	AAKA	5
H-135C1	C88	AAKA	5
B-14CL4	C86	AAKA	5
B-14CL4	C87	AAKA	6

AALF TRUCKS, VEHICLES, GROUND TARGETS, TARGETS
8-13864 CFB ABM 2

AEA	ALUMINUM, MATERIALS, TARGETS		
B-135C1	C20	CJ	1
B-135C1	345	AEA	1
B-13946	CC2	ABA	1

AEB ASPHALT, MATERIALS, TARGETS
P-13946 CCB AEB 1

AEC BRICK, MATERIALS, TARGETS
A-13546 CCL AEC 1

AEG	CONCRETE, MATERIALS, TARGETS		
H-1346	004	AEG	1
B-14C4	013	AEG	1
E-14C4	014	AEG	1
B-14C4	015	AEG	1
H-14C4	017	AEG	2
B-14C4	019	AEG	2
H-14C4	055	AEG	2

AEM	DIRT, MATERIALS, TARGETS	
H-13464	CCE	AEM
H-13546	CCE	AEM
B-13446	C20	AEM
H-13464	C26	AET
H-14C24	CCE	AET

AEI GALVANIZED STEEL, MATERIALS, TARGETS
B-135C1 218 AEI 1

AEL	METAL, MATERIALS,	TARGETS	
B-135C1	C01	AEM	18
B-135C1	C02	AEM	18
B-135C1	C03	AEM	18
B-135C1	C04	AEM	18
B-135C1	C05	AEM	19
B-135C1	C06	AEM	35
B-135C1	C07	AEM	19
B-135C1	C08	AEM	36
B-135C1	C09	AEM	13
B-135C1	C10	AEM	36
B-135C1	C11	AEM	36
B-135C1	C12	AEM	37
B-135C1	C13	AEM	1
B-135C1	C14	AEM	19
B-135C1	C15	AEM	13
B-135C1	C16	AEM	1
B-135C1	C17	AEM	1
B-135C1	C28	AER	1
B-135C1	C29	AER	1
B-135C1	C30	AER	1
B-135C1	C31	AER	1
B-135C1	C32	AER	2
B-135C1	C33	AER	2
B-135C1	C34	AER	2
B-135C1	C35	AER	2
B-135C1	C36	AEM	1
B-135C1	C37	AEM	2
B-135C1	C38	AEL	1
B-135C1	C39	AEL	1

B-135C1	C10	AEL	1
B-135C1	C01	AEL	1
B-135C1	C42	AEL	2
B-135C1	C43	AEL	2
B-135C1	C44	AEL	2
B-13621	C11	AEM	19
B-13621	C02	AEM	20
B-13621	C03	AEM	20
B-13946	C06	AEL	2
B-13946	C07	AEM	11
B-13946	C09	AEM	33
B-13946	C20	AEM	33
B-13946	C21	AEM	37
B-13946	C22	AEM	36
B-13946	C23	AEM	33
B-13946	C30	AEM	33
B-140C4	C03	AEM	34
B-140C4	C05	AEL	3
B-140C4	C59	AEL	3
B-140C4	C77	AEM	12
B-140C4	C78	AEM	12
B-140C4	C79	AEM	13
B-140C4	C80	AEM	17

PAINT, MATERIALS,	TARGETS
R-135C1 C13	AEM
R-135C1 C16	AEM
R-135C1 C17	AEM
R-135C1 C36	AEM
R-135C1 C37	AEM
R-138E4 CC8	AEM
R-138E4 C19	AEM
R-138E4 C20	AEM
R-138E4 C21	AEM
R-138E4 C22	AEM
R-138E4 C23	AEM
R-138E4 C24	AEM
R-138E4 C49	AEM
R-138E4 C50	AEM
R-138E4 C51	AEM
H-138E4 C52	AEM
B-138E4 C53	AEM
B-138E4 C54	AEM
B-138E4 C55	AEM
H-138E4 C56	AEM
B-138E4 C57	AEM
B-138E4 C58	AEM
B-138E4 C59	AEM
B-138E4 C60	AEM
B-138E4 C61	AEM
B-138E4 C62	AEM
B-138E4 C63	AEM
B-138E4 C79	AEM
B-138E4 CBC	AEM
B-138E4 C81	AEM
B-138E4 C82	AEM
B-138E4 C83	AEM
B-138E4 C84	AEM
B-138E4 C85	AEM
B-138E4 C86	AEM
B-138E4 C87	AEM
B-138E4 C88	AEM
B-138E4 C89	AEM
B-138E4 C90	AEM
B-138E4 C91	AEM
B-13546 C07	AEM
R-14C04 C68	AEM
B-14C04 C49	AEM
B-14C04 C70	AEM
B-14C04 C73	AEM
B-14C04 C75	AEM
B-14C04 C77	AEM
B-14C04 C78	AEM

AEMA	WHITE PIGMENTS, PAINT, MATERIALS, TARGETS		
H-13501	C09	AEM	13
B-13501	C15	AEM	13
B-13864	C34	AEM	13
B-13864	C35	AEM	14
E-13864	C36	AEM	14
B-13864	C37	AEM	14
B-13864	C38	AEM	14
B-13864	C39	AEM	15
B-13864	C40	AEM	15

B-13864 042	AEM	15	AEND	METALLIC PIGMENTS, PAINT, MATERIALS, TARGETS
B-13864 043	AEM	16		B-13946 022 AEM 36
B-13864 044	AEM	16	AENDA	ALUMINUM POWDER, METALLIC PIGMENTS, PAINT, MATERIALS, TARGETS
B-13864 045	AEM	16		B-13501 C10 AEM 36
B-13864 046	AEM	16		B-13501 C11 AEM 36
B-13864 047	AEM	17		B-13501 C12 AEM 37
B-13864 048	AEM	17	AENAC	TITANIUM DIOXIDE, WHITE PIGMENTS, PAINT, MATERIALS, TARGETS
B-14C04 072	AEM	17	AEMF	DRIERS, THINNERS, MEDIUMS, PAINT, MATERIALS, TARGETS
F-14C04 080	AEM	17		B-13946 021 AEM 37
AENB	GREEN PIGMENTS, PAINT, MATERIALS, TARGETS		AEO	PLASTIC, MATERIALS, TARGETS
B-135C1 C01	AEM	18		B-13501 046 AZO 1
B-135C1 C02	AEM	18		B-135C1 047 AZO 1
B-13501 C03	AEM	18		B-13501 048 AZO 1
B-135C1 C04	AEM	18		B-13501 049 AZO 1
B-135C1 C05	AEM	19		B-13501 C59 AZO 2
B-135C1 C07	AEM	19		B-135C1 C60 AZO 2
B-135C1 C14	AEM	19		B-13501 C70 AZO 2
B-13621 C01	AEM	19		B-13501 C72 AZO 2
B-13621 C02	AEM	20	AEP	RUBBER, MATERIALS, TARGETS
B-13621 C03	AEM	20		B-135C1 C50 AEP 1
B-13864 001	AEM	20		B-13501 051 AZKA 1
B-13864 002	AEM	20		B-135C1 052 AEP 1
B-13864 C03	AEM	21		B-13501 C53 AEP 1
B-13864 C25	AEM	21		B-13501 C54 AEP 1
B-13864 C26	AEM	21		B-13501 C55 AEP 2
B-13864 C27	AEM	21		B-13501 056 AEP 2
B-13864 C28	AEM	22		B-13501 C57 AEP 2
B-13864 C29	AEM	22		B-13501 C58 AEP 2
B-13864 C30	AEM	22		B-13501 062 AEP 3
B-13864 C31	AEM	22		B-13501 C63 AEP 3
B-13864 C32	AEM	23		B-13501 064 AEP 3
B-13864 C33	AEM	23		B-13501 066 AZ 3
B-13864 064	AEM	23		B-13501 C67 AEP 4
B-13864 C65	AEM	23		B-13501 068 AEP 4
B-13864 C66	AEM	24		B-13501 C69 AEP 4
B-13864 C67	AEM	24		B-13501 071 AEP 4
B-13864 C68	AEM	24		B-13501 C89 AEP 5
B-13864 C69	AEM	24	AEQ	TAR, MATERIALS, TARGETS
B-13864 C70	AEM	25		B-13946 C03 AZQ 1
B-13864 C71	AEM	25		B-14C04 010 AZQ 1
B-13864 072	AEM	25		B-14C04 C56 AZQ 1
B-13864 073	AEM	25	AER	TILE, MATERIALS, TARGETS
B-13864 074	AEM	26		B-13501 028 AER 1
B-13864 075	AEM	26		B-13501 029 AER 1
B-13864 C76	AEM	26		B-13501 C30 AER 1
B-13864 C77	AEM	26		B-13501 C31 AER 1
B-13864 078	AEM	27		B-13501 C32 AER 2
B-13864 C92	AEM	27		B-13501 C33 AER 2
B-13864 C93	AEM	27		B-13501 C34 AER 2
B-13864 C94	AEM	27		B-13501 C35 AER 2
B-13864 C95	AEM	28	AET	WOOD, MATERIALS, TARGETS
B-13864 096	AEM	28		B-13501 C21 AET 1
B-13864 097	AEM	28		B-13501 C22 AET 1
B-13864 C98	AEM	28		B-135C1 023 AET 1
B-13864 099	AEM	29		B-13501 C24 AET 1
B-13864 100	AEM	29		B-135C1 025 AET 2
B-13864 101	AEM	29		B-135C1 026 AET 2
B-13864 102	AEM	29		B-13501 027 AET 2
B-13864 103	AEM	30		B-13546 026 AET 2
B-13864 104	AEM	30		B-14C04 002 AEM 34
B-13864 105	AEM	30		B-14C04 C04 AEM 34
B-13864 106	AEM	30		B-14C04 CC8 AET 3
B-13864 107	AEM	31		B-14004 C09 AET 3
B-13864 108	AEM	31		B-14004 C54 AEM 34
B-13864 109	AEM	31		B-14004 057 AET 3
B-13864 110	AEM	31		B-14004 C58 AET 3
B-13864 111	AEM	32		B-14C04 C60 AET 4
B-13864 112	AEM	32		B-14C04 C68 AEM 11
B-13864 113	AEM	32		B-14C04 C69 AEM 11
B-13864 114	AEM	32		B-14004 070 AEM 11
B-13946 C09	AEM	33		B-14004 C71 AEM 35
B-13946 C20	AEM	33		B-14004 C72 AEM 17
B-13946 C23	AEM	33		B-14004 C73 AEM 12
B-13946 C30	AEM	33		B-14004 C74 AEM 35
B-14C04 C02	AEM	34		B-14004 C75 AEM 12
B-14C04 C03	AEM	34		B-14004 C76 AEM 35
B-14C04 C04	AEM	34	BF	SOIL, BACKGROUND
B-14C04 C54	AEM	34		B-13864 C04 BF 1
B-14C04 C71	AEM	35		B-13946 C11 BF 1
B-14C04 C74	AEM	35		
B-14C04 C76	AEM	35		
AENC	RED PIGMENTS, PAINT, MATERIALS, TARGETS			
B-135C1 006	AEM	35		

B-13946 C12	BF	1	B-14C04 044	BG	7
B-13946 C13	BF	1	B-14C04 045	BG	8
B-13946 C35	BF	2	B-14C04 1C3	BG	8
			B-14C04 104	BG	8
BFCA	SAND, COARSE-TEXTURED, SOIL, BACKGROUND		BGCHA	DOGWOOD, DOGWOOD FAMILY, LIGNEOUS, VEGETATION, BACKGROUND	
M-13864 C04	BF	1	B-14C04 C32	BG	8
M-13864 C09	BF	2	B-14C04 C33	BG	9
O-13946 C10	BF	2	B-14C04 C35	BG	9
R-13946 C19	BG	1	B-14C04 C37	BG	9
R-14C04 C10	AEQ	1			
B-14C04 C83	BF	3			
B-14C04 C88	BF	3			
BFC	Moderately coarse-textured, soil, background		BGDM	HEATH FAMILY (cf. HERBACEOUS), LIGNEOUS, VEGETATION, BACKGROUND	
B-14C04 C81	BF	3	B-14C04 C29	BG	9
			B-14C04 C30	BG	10
BFCA	SANDY LOAM, MODERATELY COARSE-TEXTURED, SOIL, BACKGROUND		B-14C04 C31	BG	10
B-13946 C34	BF	3	B-14C04 C99	BG	10
			B-14C04 100	BG	10
BFGC	CLAY, FINE-TEXTURED, SOIL, BACKGROUND		BGDP	LAUREL FAMILY, LIGNEOUS, VEGETATION, BACKGROUND	
B-13946 C15	BF	4	B-14C04 C22	BG	11
B-14C04 C62	BF	4	B-14C04 C23	BG	11
			B-14C04 C24	BG	11
BFH	OTHER CONSTITUENTS, SOIL, BACKGROUND		B-14C04 C25	BG	11
H-14C04 C11	BF	4	B-14C04 C26	BG	12
B-14C04 C12	BF	4			
R-14C04 C84	BF	5			
H-14C04 C85	BF	5			
R-14C04 C86	BF	5			
H-14C04 C87	BF	5			
B-14C04 C89	BF	6			
B-14C04 C91	BF	6			
B-14C04 C92	BF	6			
B-14C04 C93	BF	6			
B-14C04 C94	BF	7			
B-14C04 C95	BF	7			
R-14C04 C96	BF	7			
BFFD	STONES (GREATER THAN 10 INCH DIAMETER), OTHER CONSTITUENTS, SOIL, BACKGROUND		BGCX	PINE FAMILY, LIGNECUS, VEGETATION, BACKGROUND	
H-14C04 C61	BF	7	B-13864 C05	BG	12
H-14C04 C90	BF	8			
BGC	VASCULAR, HERBACEOUS, VEGETATION, BACKGROUND		BGEAG	PLUM, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUND	
B-13864 C06	BG	1	B-14C04 C38	BG	12
B-13946 C17	BG	1	B-14C04 C39	BG	12
H-13946 C18	BG	1	B-14C04 C40	BG	13
H-13946 C19	BG	1			
B-13946 C25	BG	2			
B-13946 C27	BG	2			
B-13946 C29	BG	2			
B-14C04 C19	BG	2			
BGCA	BANANA FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUND		BGF	LEAF, VEGETATION, BACKGROUND	
B-14C04 C82	BF	2	B-13946 C16	BG	13
			B-13946 C17	BG	1
			B-13946 C18	BG	1
			B-13946 C24	BG	13
			B-13946 C32	BG	13
			B-14C04 C20	BG	6
			B-14C04 C21	BG	6
			B-14C04 C27	BG	14
			B-14C04 C28	BG	14
			B-14C04 C46	BG	14
			B-14C04 C48	BG	3
			B-14C04 C49	BG	14
			B-14C04 C50	BG	15
			B-14C04 C52	BG	15
			B-14C04 C53	BG	3
			B-14C04 C63	BG	15
			B-14C04 C64	BG	15
			B-14C04 C65	BG	16
			B-14C04 C66	BG	16
			B-14C04 C67	BG	16
			B-14C04 C97	BG	16
			B-14C04 C98	BG	17
			B-14C04 C99	BG	10
			B-14C04 100	BG	10
			B-14C04 101	BG	3
			B-14C04 102	BG	3
			B-14C04 103	BG	8
			B-14C04 104	BG	8
			B-14C04 105	BG	17
			B-14C04 106	BG	17
			B-14C04 107	BG	17
			B-14C04 108	BG	18
			B-14C04 109	BG	18
			B-14C04 110	BG	18
BGCRA	ALFALFA, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUND		BGFBC	VENTRAL SIDE, BROAD, LEAF, VEGETATION, BACKGROUND	
B-13864 C07	BG	4	B-14C04 025	BG	11
B-13864 C10	BG	4	B-14C04 C29	BG	9
B-13864 C11	BG	4	B-14C04 C32	BG	8
B-13864 C12	BG	4	B-14C04 C33	BG	9
B-13864 C13	BG	5	B-14C04 C38	BG	12
B-13864 C14	BG	5	B-14C04 041	BG	7
H-13864 C15	BG	5	B-14C04 C43	BG	7
B-13864 C16	BG	5	B-14C04 C44	BG	7
B-13864 C17	BG	6			
B-13864 C18	BG	6			
BGCBC	CAK, BEECH FAMILY, LIGNEOUS, VEGETATION, BACKGROUND		BGFBD	DORSAL SIDE, BROAD, LEAF, VEGETATION, BACKGROUND	
B-14C04 C20	BG	6	B-14C04 C22	BG	11
B-14C04 C21	BG	6	B-14C04 C23	BG	11
B-14C04 C24	BG	11			
R-14C04 C41	BG	7			
B-14C04 C42	BG	7			
B-14C04 C43	BG	7			

	B-14004 C26	BG	12	B-13501 016	AEM	1
	B-14004 C30	BG	10	B-13501 017	AEM	1
	B-14004 C31	BG	10	B-13501 018	AET	1
	B-14004 C35	PG	9	B-13501 C19	CJ	1
	B-14CC4 C37	BG	9	B-13501 020	CJ	1
	B-14CC4 C39	BG	12	B-13501 021	AET	1
	B-14CC4 C40	BG	13	B-13501 022	AET	1
	B-14004 042	BG	7	B-13501 023	AET	1
	B-14CC4 C45	BG	8	B-13501 024	AET	1
				B-13501 025	AET	2
BCFF	DRY, LEAF, VEGETATION, BACKGROUND			B-13501 026	AET	2
	B-14004 C19	BG	2	B-13501 C27	AET	2
BCH	TWIG, VEGETATION, BACKGROUND			B-13501 C28	AER	1
	B-13946 C18	BG	1	B-13501 029	AER	1
BHBD	SNOW, STATE, WATER, BACKGROUND			B-13501 C30	AER	1
	B-13946 031	BH	1	B-13501 C31	AER	1
CD	SPECTROMETER, EQUIPMENT			B-13501 032	AER	2
	B-13621 001	AEM	19	B-13501 033	AER	2
	B-13621 C02	AEM	20	B-13501 034	AER	2
	B-13621 C03	AEM	20	B-13501 035	AER	2
	B-13946 C01	AEC	1	B-13501 036	AEM	1
	B-13946 002	AEA	1	B-13501 C37	AEM	2
	B-13946 CC3	AEQ	1	B-13501 038	AEL	1
	B-13946 CC4	AEG	1	B-13501 039	AEL	1
	B-13946 CC5	AZH	1	B-13501 040	AEL	1
	B-13946 006	AEL	2	B-13501 041	AEL	1
	B-13946 C07	AEM	11	B-13501 042	AEL	2
	B-13946 CC8	AEB	1	B-13501 043	AEL	2
	B-13946 C09	AEM	33	B-13501 044	AEL	2
	B-13946 C10	BF	2	B-13501 045	AEA	1
	B-13946 C11	BF	1	B-13501 046	AEO	1
	B-13946 C12	BF	1	B-13501 047	AEO	1
	B-13946 C13	BF	1	B-13501 048	AEO	1
	B-13946 C15	BF	4	B-13501 049	AEO	1
	B-13946 C16	BG	13	B-13501 C50	AEP	1
	B-13946 C17	BG	1	B-13501 C51	AAKA	1
	B-13946 C18	BG	1	B-13501 052	AEP	1
	B-13946 C19	BG	1	B-13501 C53	AEP	1
	B-13946 C20	AEM	33	B-13501 C54	AEP	1
	B-13946 C27	BG	2	B-13501 C55	AEP	2
	B-13946 C29	BG	2	B-13501 C56	AEP	2
	B-13946 C30	AEM	33	B-13501 C57	AEP	2
	B-13946 C31	BH	1	B-13501 C58	AEP	2
	B-13946 C32	BG	13	B-13501 C59	AEO	2
	B-13946 C34	BF	3	B-13501 C60	AEO	2
	B-13946 C35	BF	2	B-13501 C61	AAKA	1
	B-14CC4 C01	CJ	1	B-13501 062	AEP	3
	B-14CC4 C54	AEM	34	B-13501 063	AEP	3
	B-14CC4 C55	AEG	2	B-13501 C64	AEP	3
	B-14CC4 C56	AEQ	1	B-13501 065	AAKA	1
	B-14CC4 C57	AET	3	B-13501 066	AEP	3
	B-14CC4 C58	AET	3	B-13501 067	AEP	4
	B-14CC4 C59	AEL	3	B-13501 071	AEP	4
	B-14CC4 C60	AET	4	B-13501 C72	AEO	2
	B-14CC4 C61	BF	7	B-13501 073	AAKA	1
	B-14CC4 C62	BF	4	B-13501 074	AAKA	2
	B-14CC4 C66	AEM	11	B-13501 075	AAKA	2
	B-14CC4 C69	AEM	11	B-13501 076	AAKA	2
	B-14CC4 C70	AEM	11	B-13501 077	AAKA	2
	B-14CC4 C71	AEM	35	B-13501 078	AAKA	3
	B-14CC4 C72	AEM	17	B-13501 079	AAKA	3
	B-14CC4 C73	AEM	12	B-13501 C80	AAKA	3
	B-14CC4 C74	AEM	35	B-13501 081	AAKA	3
	B-14CC4 C75	AEM	12	B-13501 082	AAKA	4
	B-14CC4 C76	AEM	35	B-13501 083	AAKA	4
	B-14CC4 C77	AEM	12	B-13501 C84	AAKA	4
	B-14CC4 C78	AEM	12	B-13501 C85	AAKA	4
	B-14CC4 C79	AEM	13	B-13501 C86	AAKA	5
	B-14CC4 C80	AEM	17	B-13501 087	AAKA	5
CDC	PERKIN-ELMER, SPECTROMETER, EQUIPMENT			B-13501 088	AAKA	5
	B-13501 C01	AEM	18	B-13501 089	AEP	5
	B-13501 002	AEM	18	B-13946 021	AEM	37
	B-13501 003	AEM	18	B-13946 C22	AEM	36
	B-13501 004	AEM	18	B-13946 C23	AEM	33
	B-13501 005	AEM	19	B-13946 C24	BG	13
	B-13501 006	AEM	33	B-13946 C25	BG	2
	B-13501 007	AEM	19	B-13946 026	AET	2
	B-13501 008	AEM	36	B-14004 002	AEM	34
	B-13501 009	AEM	13	B-14004 003	AEM	34
	B-13501 C10	AEM	36	B-14004 004	AEM	34
	B-13501 C11	AEM	36	B-14004 005	AEL	3
	B-13501 C12	AEM	37	B-14004 006	AAKA	5
	B-13501 C13	AEM	1	B-14004 007	AAKA	6
	B-13501 C14	AEM	19	B-14004 008	AET	3
	B-13501 C15	AEM	13	B-14004 009	AET	3
				B-14004 010	AEQ	1

B-14CC4 C11	BF	4	B-13864 015	BG	5
B-14CC4 C12	BF	4	B-13864 016	BG	5
B-14CC4 C13	AEQ	1	B-13864 017	BG	6
B-14CC4 C14	AEQ	1	B-13864 018	BG	6
B-14CC4 C15	AEQ	1	B-13864 027	BG	2
B-14CC4 C16	AEQ	2	B-13864 C28	BG	2
B-14CC4 C17	AEQ	2	B-13864 C30	AEM	33
B-14CC4 C18	AEQ	2	B-13864 031	BH	1
B-14CC4 C19	BG	2	B-13864 C32	BG	13
B-14CC4 C20	BG	6	B-13864 C34	BF	3
B-14CC4 C21	BG	6	B-13864 035	BF	2
B-14CC4 C22	BG	11			
B-14CC4 C23	BG	11			
B-14CC4 C24	BG	11			
B-14CC4 C25	BG	11			
B-14CC4 C26	BG	12			
B-14CC4 C27	BG	14			
B-14CC4 C28	BG	14			
B-14CC4 C29	BG	9			
B-14CC4 C30	BG	10			
B-14CC4 C31	BG	10			
B-14CC4 C32	BG	8			
B-14CC4 C33	BG	9			
B-14CC4 C35	BG	9			
B-14CC4 C37	BG	9			
B-14CC4 C38	BG	12			
B-14CC4 C39	BG	12			
B-14CC4 C40	BG	13			
B-14CC4 C41	BG	7			
B-14CC4 C42	BG	7			
B-14CC4 C43	BG	7			
B-14CC4 C44	BG	7			
B-14CC4 C45	BG	8			
B-14CC4 C46	BG	14			
B-14CC4 C48	BG	3			
B-14CC4 C49	BG	14			
B-14CC4 C50	BG	15			
B-14CC4 C52	BG	15			
B-14CC4 C53	BG	3			
B-14CC4 C63	BG	15			
B-14CC4 C64	BG	15			
B-14CC4 C65	BG	16			
B-14CC4 C66	BG	16			
B-14CC4 C67	BG	16			
B-14CC4 C81	BF	3			
B-14CC4 C82	BF	2			
B-14CC4 C83	BF	3			
B-14CC4 C84	BF	5			
B-14CC4 C85	BF	5			
B-14CC4 C86	BF	5			
B-14CC4 C87	BF	5			
B-14CC4 C88	BF	3			
B-14CC4 C89	BF	6			
B-14CC4 C90	BF	8			
B-14CC4 C91	BF	6			
B-14CC4 C92	BF	6			
B-14CC4 C93	BF	6			
B-14CC4 C94	BF	7			
B-14CC4 C95	BF	7			
B-14CC4 C96	BF	7			
B-14CC4 C97	BG	16			
B-14CC4 C98	BG	17			
B-14CC4 C99	BG	10			
B-14CC4 C00	BG	10			
B-14CC4 C01	BG	3			
B-14CC4 C02	BG	3			
B-14CC4 C03	BG	8			
B-14CC4 C04	BG	8			
B-14CC4 C05	BG	17			
B-14CC4 C06	BG	17			
B-14CC4 C07	BG	17			
B-14CC4 C08	BG	18			
B-14CC4 C09	BG	18			
B-14CC4 C10	BG	18			

CEC	GRCUND, PLATFORM, EQUIPMENT				
B-13864 C01	AEM	20	B-13501 041	AEL	1
B-13864 C02	AEM	20	B-13501 042	AEL	2
B-13864 C03	AEM	21	B-13501 043	AEL	2
B-13864 C04	BF	1	B-13501 045	AEA	1
B-13864 C05	BG	12	B-13501 046	AEO	1
B-13864 C06	BG	1	B-13501 047	AEO	1
B-13864 C07	BG	4	B-13501 048	AEO	1
B-13864 C08	AEM	2	B-13501 049	AEO	1
B-13864 C09	BF	2	B-13501 050	AEP	1
B-13864 C10	BG	4	B-13501 C51	AAKA	1
B-13864 C11	BG	4	B-13501 C52	AEP	1
B-13864 C12	BG	4	B-13501 C53	AEP	1
B-13864 C13	BG	5	B-13501 C54	AEP	1
B-13864 C14	BG	5	B-13501 055	AEP	2

B-135C1 077	AAKA	2	B-13864 092	AEM	27
B-135C1 C78	AAKA	3	B-13864 093	AEM	27
B-135C1 079	AAKA	3	B-13864 094	AEM	27
B-13501 C80	AAKA	3	B-13864 095	AEM	28
B-135C1 C81	AAKA	3	B-13864 096	AEM	28
B-13501 082	AAKA	4	B-13864 097	AEM	28
B-13501 083	AAKA	4	B-13864 098	AEM	28
B-135C1 C84	AAKA	4	B-13864 099	AEM	29
B-135C1 C85	AAKA	4	B-13864 100	AEM	29
B-135C1 C86	AAKA	5	B-13864 101	AEM	29
B-135C1 C87	AAKA	5	B-13864 102	AEM	29
B-13501 C88	AAKA	5	B-13864 103	AEM	30
B-13501 C89	AEP	5	B-13864 104	AEM	30
B-13621 C01	AEM	19	B-13864 105	AEM	30
B-13621 002	AEM	20	B-13864 106	AEM	30
B-13621 C03	AEM	20	B-13864 107	AEM	31
B-13864 019	AEM	2	B-13864 108	AEM	31
B-13864 C20	AEM	2	B-13864 109	AEM	31
B-13864 C21	AEM	3	B-13864 110	AEM	31
B-13864 C22	AEM	3	B-13864 111	AEM	32
B-13864 C23	AEM	3	B-13864 112	AEM	32
B-13864 C24	AEM	3	B-13864 113	AEM	32
B-13864 C25	AEM	21	B-13864 114	AEM	32
B-13864 C26	AEM	21	B-13946 001	AEC	1
B-13864 C27	AEM	21	B-13946 002	AEA	1
B-13864 C28	AEM	22	B-13946 003	AEQ	1
B-13864 C29	AEM	22	B-13946 C04	AEG	1
B-13864 C30	AEM	22	B-13946 C05	AEH	1
B-13864 C31	AEM	22	B-13946 C06	AEL	2
B-13864 C32	AEM	23	B-13946 C07	AEM	11
B-13864 C33	AEM	23	B-13946 C08	AEB	1
B-13864 C34	AEM	13	B-13946 C09	AEM	33
B-13864 C35	AEM	14	B-13946 010	BF	2
B-13864 C36	AEM	14	B-13946 011	BF	1
B-13864 C37	AEM	14	B-13946 012	BF	1
B-13864 C38	AEM	14	B-13946 013	BF	1
B-13864 C39	AEM	15	B-13946 015	BF	4
B-13864 C40	AEM	15	B-13946 016	BG	13
B-13864 041	AEM	15	B-13946 017	BG	1
B-13864 042	AEM	15	B-13946 018	BG	1
B-13864 C43	AEM	16	B-13946 019	BG	1
B-13864 C44	AEM	16	B-13946 020	AEM	33
B-13864 045	AEM	16	B-13946 C21	AEM	37
B-13864 C46	AEM	16	B-13946 C22	AEM	36
B-13864 047	AEM	17	B-13946 C23	AEM	33
B-13864 048	AEM	17	B-13946 C24	BG	13
B-13864 C49	AEM	4	B-13946 C25	BG	2
B-13864 C50	AEM	4	B-13946 C26	AET	2
B-13864 C51	AEM	4	B-14004 001	CJ	1
B-13864 C52	AEM	4	B-14004 002	AEM	34
B-13864 C53	AEM	5	B-14004 003	AEM	34
B-13864 C54	AEM	5	B-14004 004	AEM	34
B-13864 C55	AEM	5	B-14CC4 005	AEL	3
B-13864 C56	AEM	5	B-14004 006	AAKA	5
B-13864 C57	AEM	6	B-14CC4 C07	AAKA	6
B-13864 C58	AEM	6	B-14004 008	AET	3
B-13864 C59	AEM	6	B-14C04 009	AET	3
B-13864 060	AEM	6	B-14004 010	AEQ	1
B-13864 C61	AEM	7	B-14CC4 C11	BF	4
B-13864 C62	AEM	7	B-14CC4 C12	BF	4
B-13864 C63	AEM	7	B-14C04 013	AEG	1
B-13864 064	AEM	23	B-14004 014	AEG	1
B-13864 C65	AEM	23	B-14004 015	AEG	1
B-13864 C66	AEM	24	B-14CC4 C17	AEG	2
B-13864 C67	AEM	24	B-14C04 C18	AEG	2
B-13864 068	AEM	24	B-14C04 019	BG	2
B-13864 C69	AEM	24	B-14C04 C20	BG	6
B-13864 C70	AEM	25	B-14CC4 021	BG	6
B-13864 071	AEM	25	B-14C04 C22	BG	11
B-13864 072	AEM	25	B-14C04 023	BG	11
B-13864 073	AEM	25	B-14C04 C24	BG	11
B-13864 C74	AEM	26	B-14CC4 C25	BG	11
B-13864 075	AEM	26	B-14CC4 C26	BG	12
B-13864 076	AEM	26	B-14004 027	BG	14
B-13864 077	AEM	26	B-14C04 C28	BG	14
B-13864 C78	AEM	27	B-14004 C29	BG	9
B-13864 079	AEM	7	B-14C04 C30	BG	10
B-13864 C80	AEM	8	B-14004 031	BG	10
B-13864 C81	AEM	8	B-14C04 032	BG	8
B-13864 082	AEM	8	B-14C04 033	BG	9
B-13864 C83	AEM	8	B-14004 035	BG	9
B-13854 C84	AEM	9	B-14004 037	BG	9
B-13864 C85	AEM	9	B-14004 038	BG	12
B-13864 C86	AEM	9	B-14004 039	BG	12
B-13864 087	AEM	9	B-14004 040	BG	13
B-13864 088	AEM	10	B-14004 041	BG	7
B-13864 089	AEM	10	B-14C04 042	BG	7
B-13864 C90	AEM	10	B-14C04 043	BG	7
B-13864 091	AEM	10	B-14C04 044	BG	7

B-14CC4 C45	BG	8	B-13864 019	AEM	2
B-14CC4 C46	BG	14	B-13864 020	AEM	2
B-14CC4 C48	BG	3	B-13864 C21	AEM	3
H-14CC4 C49	BG	14	B-13864 C22	AEM	3
B-14CC4 C50	BG	15	B-13864 023	AEM	3
B-14CC4 C52	BG	15	B-13864 C24	AEM	3
B-14CC4 C53	BG	3	B-13864 C25	AEM	21
R-14CC4 C54	AEM	34	B-13864 C26	AEM	21
B-14CC4 C55	ABQ	2	B-13864 C27	AEM	21
B-14CC4 C56	ABQ	1	B-13864 C28	AEM	22
B-14CC4 C57	ABT	3	B-13864 029	AEM	22
B-14CC4 C58	ABT	3	B-13864 030	AEM	22
B-14CC4 C59	ABL	3	B-13864 031	AEM	22
B-14CC4 C60	ABT	4	B-13864 032	AEM	23
B-14CC4 C61	BF	7	B-13864 C33	AEM	23
B-14CC4 C62	BF	4	B-13864 C34	AEM	13
R-14CC4 C63	BG	15	B-13864 C35	AEM	14
B-14CC4 C64	BG	15	B-13864 036	AEM	14
B-14CC4 C65	BG	16	B-13864 037	AEM	14
B-14CC4 C66	BG	16	H-13864 038	AEM	14
B-14CC4 C67	BG	16	B-13864 C39	AEM	15
R-14CC4 C68	AEM	11	B-13864 C40	AEM	15
B-14CC4 C69	AEM	11	B-13864 C41	AEM	15
B-14CC4 C70	AEM	11	R-13864 042	AEM	15
B-14CC4 C71	AEM	35	B-13864 C43	AEM	16
H-14CC4 C72	AEM	17	B-13864 C44	AEM	16
B-14CC4 C73	AEM	12	B-13864 045	AEM	16
B-14CC4 C74	AEM	35	B-13864 C46	AEM	16
R-14CC4 C75	AEM	12	B-13864 047	AEM	17
B-14CC4 C76	AEM	35	B-13864 048	AEM	17
R-14CC4 C77	AEM	12	B-13864 C49	AEM	4
B-14CC4 C78	AEM	12	B-13864 050	AEM	4
B-14CC4 C79	AEM	13	B-13864 C51	AEM	4
B-14CC4 C80	AEM	17	B-13864 C52	AEM	4
B-14CC4 C81	BF	3	B-13864 C53	AEM	5
B-14CC4 C82	BF	2	B-13864 054	AEM	5
B-14CC4 C83	BF	3	B-13864 C55	AEM	5
B-14CC4 C84	BF	5	B-13864 C56	AEM	5
B-14CC4 C85	BF	5	B-13864 C57	AEM	6
B-14CC4 C86	BF	5	R-13864 C58	AEM	6
B-14CC4 C87	BF	5	B-13864 C59	AEM	6
B-14CC4 C88	BF	3	B-13864 C60	AEM	6
F-14CC4 C89	BF	6	B-13864 061	AEM	7
B-14CC4 C90	BF	8	B-13864 C62	AEM	7
B-14CC4 C91	BF	6	B-13864 C63	AEM	7
B-14CC4 C92	BF	6	B-13864 064	AEM	23
B-14CC4 C93	BF	6	B-13864 065	AEM	23
B-14CC4 C94	BF	7	B-13864 C66	AEM	24
B-14CC4 C95	BF	7	B-13864 C67	AEM	24
B-14CC4 C96	BF	7	B-13864 C68	AEM	24
H-14CC4 C97	BG	16	B-13864 070	AEM	25
R-14CC4 C98	BG	17	B-13864 071	AEM	25
B-14CC4 C99	BG	10	B-13864 C72	AEM	25
B-14CC4 1C0	BG	10	B-13864 C73	AEM	25
B-14CC4 1C1	BG	3	B-13864 C74	AEM	26
B-14CC4 1C2	BG	3	B-13864 075	AEM	26
B-14CC4 1C3	BG	8	B-13864 C76	AEM	26
B-14CC4 1C4	BG	8	B-13864 C77	AEM	26
R-14CC4 1C5	BG	17	B-13864 078	AEM	27
R-14CC4 1C6	BG	17	B-13864 079	AEM	7
B-14CC4 1C7	BG	17	B-13864 C80	AEM	8
B-14CC4 1C8	BG	18	B-13864 081	AEM	8
B-14CC4 1C9	BG	18	B-13864 082	AEM	8
B-14CC4 1C0	BG	18	B-13864 C83	AEM	8

CJ MATERIALS, EQUIPMENT

B-135C1 C19	CJ	1	B-13864 C84	AEM	9
B-135C1 C20	CJ	1	B-13864 C85	AEM	9
H-14CC4 CC1	CJ	1	B-13864 C86	AEM	9

008C LINEAR, OPTICAL, POLARIZATION, RADIATION

B-13864 001	AEM	20	B-13864 C87	AEM	9
B-13864 0C2	AEM	20	B-13864 C88	AEM	10
B-13864 CC3	AEM	21	B-13864 089	AEM	10
B-13864 C04	BF	1	B-13864 C90	AEM	10
B-13864 C05	BG	12	B-13864 C91	AEM	10
B-13864 C06	BG	1	B-13864 C92	AEM	27
B-13864 OCT	BF	4	B-13864 C93	AEM	27
B-13864 C08	AEM	2	B-13864 C94	AEM	27
B-13864 C09	BF	2	B-13864 095	AEM	28
B-13864 C10	BG	4	B-13864 096	AEM	28
B-13864 C11	BG	4	B-13864 C97	AEM	28
B-13864 C12	BG	4	B-13864 C98	AEM	28
B-13864 C13	BG	5	B-13864 C99	AEM	29
B-13864 C14	BG	5	B-13864 100	AEM	29
B-13864 C15	BG	5	B-13864 101	AEM	29
B-13864 C16	BG	5	B-13864 102	AEM	29
B-13864 C17	BG	6	B-13864 103	AEM	30
B-13864 C18	BG	6	B-13864 104	AEM	30
B-13864 C19	BG	6	B-13864 105	AEM	30
B-13864 C20	BG	6	B-13864 106	AEM	30
B-13864 C21	BG	6	B-13864 107	AEM	31

B-13864	108	AEM	31	B-13901	007	AEM	19
B-13864	109	AEM	31	B-13501	008	AEM	36
B-13864	110	AEM	31	B-135C1	009	AEM	13
B-13864	111	AEM	32	B-13501	010	AEM	36
B-13864	112	AEM	32	B-135C1	011	AEM	36
B-13864	113	AEM	32	B-13501	012	AEM	37
B-13864	114	AEM	32	B-13501	013	AEM	1
DFA DIRECTIONAL, REFLECTANCE, RADIATION				B-135C1	014	AEM	19
B-13946	001	AEC	1	B-13501	015	AEM	13
B-13946	C02	AEA	1	B-135C1	016	AEM	1
B-13946	C03	AEQ	1	B-135C1	017	AEM	1
B-13946	C04	AEG	1	B-13501	018	AET	1
B-13946	005	AEM	1	B-135C1	C19	CJ	1
B-13946	C06	AEL	2	B-135C1	C20	CJ	1
B-13946	C07	AEM	11	B-135C1	C21	AET	1
B-13946	C08	AEB	1	B-13501	C22	AET	1
B-13946	CC9	AEM	33	B-13501	C23	AET	1
B-13946	C10	BF	2	B-135C1	C24	AET	1
B-13946	011	BF	1	B-135C1	C25	AET	2
B-13946	C12	BF	1	B-13501	C26	AET	2
B-13946	C13	BF	1	B-13501	C27	AET	2
B-13946	C15	BF	4	B-13501	C28	AER	1
B-13946	016	BG	13	B-13501	C29	AER	1
B-13946	C17	BG	1	B-13501	030	AER	1
B-13946	C18	BG	1	B-13501	031	AER	1
B-13946	C19	BG	1	B-13501	C32	AER	2
B-13946	C20	AEM	33	B-13501	C33	AER	2
B-13946	C27	BG	2	B-13501	034	AER	2
B-13946	C29	BG	2	B-13501	C35	AER	2
B-13946	C30	AEM	33	B-135C1	C36	AEM	1
B-13946	031	BH	1	B-135C1	C37	AEM	2
B-13946	C32	BG	13	B-13501	038	AEL	1
B-13946	C34	BF	3	B-13501	C39	AEL	1
B-13946	035	BF	2	B-13501	040	AEL	1
B-140C4	C01	CJ	1	B-135C1	C41	AEL	1
B-140C4	C54	AEM	34	B-13501	042	AEL	2
B-140C4	C55	AEG	2	B-135C1	C43	AEL	2
B-140C4	C56	AEQ	1	B-135C1	044	AEL	2
B-140C4	C57	AET	3	B-135C1	C45	AEA	1
B-140C4	C58	AET	3	B-135C1	046	AO	1
B-140C4	C59	AEL	3	B-135C1	047	AO	1
B-140C4	C60	AET	4	B-135C1	048	AO	1
B-140C4	C61	BF	7	B-13501	049	AO	1
B-140C4	C62	BF	4	B-135C1	C50	AEP	1
B-140C4	C63	BG	15	B-135C1	C51	AAKA	1
B-140C4	C64	BG	15	B-135C1	C52	AEP	1
B-140C4	C65	BG	16	B-135C1	C53	AEP	1
B-140C4	C66	BG	16	B-13501	C54	AEP	1
B-140C4	C67	BG	16	B-135C1	C55	AEP	2
B-140C4	C68	BF	3	B-135C1	C56	AEP	2
B-140C4	C69	BF	2	B-13501	C57	AEP	2
B-140C4	C70	BF	3	B-13501	C58	AEP	2
B-140C4	C71	BF	2	B-135C1	C59	AO	2
B-140C4	C72	BF	3	B-13501	C60	AO	2
B-140C4	C73	BF	5	B-13501	061	AAKA	1
B-140C4	C85	BF	5	B-135C1	062	AEP	3
B-140C4	086	BF	5	B-135C1	C63	AEP	3
B-140C4	C87	BF	5	B-135C1	C64	AEP	3
B-140C4	C88	BF	3	B-135C1	C65	AAKA	1
B-140C4	C89	BF	6	B-135C1	C66	AEP	3
B-140C4	C90	BF	8	B-135C1	C67	AEP	4
B-140C4	C91	BF	6	B-135C1	C68	AEP	4
B-140C4	C92	BF	6	B-13501	069	AEP	4
B-140C4	C93	BF	6	B-135C1	C70	AO	2
B-140C4	C94	BF	7	B-135C1	C71	AEP	4
B-140C4	C95	BF	7	B-135C1	072	AO	2
B-140C4	C96	BF	7	B-135C1	073	AAKA	1
B-140C4	C97	BG	16	B-13501	C74	AAKA	2
B-140C4	C98	BG	17	B-13501	C75	AAKA	2
B-140C4	C99	BG	10	B-135C1	C76	AAKA	2
B-140C4	100	BG	10	B-135C1	077	AAKA	2
B-140C4	1C1	BG	3	B-13501	078	AAKA	3
B-14004	1C2	BG	3	B-13501	C79	AAKA	3
B-140C4	1C3	BG	8	B-135C1	080	AAKA	3
B-140C4	1C4	BG	8	B-135C1	081	AAKA	3
B-140C4	1C5	BG	17	B-13501	C82	AAKA	4
B-14004	1C6	BG	17	B-13501	C83	AAKA	4
B-14004	1C7	BG	17	B-135C1	084	AAKA	4
B-140C4	1C8	BG	18	B-13501	C85	AAKA	4
B-14004	1C9	BG	18	B-135C1	C86	AAKA	5
B-14004	1C0	BG	18	B-13501	C87	AAKA	5
DFAA SPECULAR INCLUDED, DIFFUSE, REFLECTANCE,				B-135C1	C88	AAKA	5
RADIATION				B-13501	C89	AEP	5
R-135C1	001	AEM	18	R-13946	C21	AEM	36
R-135C1	002	AEM	18	R-13946	C22	AEM	36
R-135C1	003	AEM	18	R-13946	023	AEM	33
R-135C1	004	AEM	18	R-13946	024	BG	13
R-135C1	005	AEM	19	R-13946	025	BG	2
R-13501	006	AEM	35	R-13946	026	AET	2
				R-14C04	002	AEM	34

B-14CC4 C03	AEM	34	B-13946 C25	BG	2
B-14CC4 C04	AEM	34	B-13946 C26	AET	2
B-14CC4 C05	ARL	3	B-14CC4 C02	AEM	34
B-14CC4 C06	AAA	5	B-14CC4 C03	AEM	34
B-14CC4 C07	AAA	6	B-14CC4 C04	AEM	34
B-14CC4 C08	AET	3	B-14CC4 C05	ARL	3
B-14CC4 C09	AET	3	B-14CC4 C06	AAA	5
B-14CC4 C10	AEQ	1	B-14CC4 C07	AAA	6
B-14CC4 C11	BF	4	B-14CC4 C08	AET	3
B-14CC4 C12	BF	4	B-14CC4 C09	AET	3
B-14CC4 C13	AEQ	1	B-14CC4 C10	AEQ	1
B-14CC4 C14	AEQ	1	B-14CC4 C11	BF	4
B-14CC4 C15	AEG	1	B-14CC4 C12	BF	4
B-14CC4 C17	AEG	2	B-14CC4 C13	AEG	1
B-14CC4 C18	AEG	2	B-14CC4 C14	AEG	1
B-14CC4 C19	BG	2	B-14CC4 C15	AEG	1
B-14CC4 C20	BG	6	B-14CC4 C17	AEG	2
B-14CC4 C21	BG	6	B-14CC4 C18	AEG	2
B-14CC4 C22	BG	11	B-14CC4 C19	BG	2
B-14CC4 C23	BG	11	B-14CC4 C20	BG	6
B-14CC4 C24	BG	11	B-14CC4 C21	BG	6
B-14CC4 C25	BG	11	B-14CC4 C22	BG	11
B-14CC4 C26	BG	12	B-14CC4 C23	BG	11
B-14CC4 C27	BG	14	B-14CC4 C24	BG	11
B-14CC4 C28	BG	14	B-14CC4 C25	BG	11
B-14CC4 C29	BG	9	B-14CC4 C26	BG	12
B-14CC4 C30	BG	10	B-14CC4 C27	BG	14
B-14CC4 C31	BG	10	B-14CC4 C28	BG	14
B-14CC4 C32	BG	8	B-14CC4 C29	BG	9
B-14CC4 C33	BG	9	B-14CC4 C30	BG	10
B-14CC4 C35	BG	9	B-14CC4 C31	BG	10
B-14CC4 C37	BG	9	B-14CC4 C32	BG	8
B-14CC4 C38	BG	12	B-14CC4 C33	BG	9
B-14CC4 C39	BG	12	B-14CC4 C35	BG	9
B-14CC4 C40	BG	13	B-14CC4 C27	BG	9
B-14CC4 C41	BG	7	B-14CC4 C38	BG	12
B-14CC4 C42	BG	7	B-14CC4 C39	BG	12
B-14CC4 C43	BG	7	B-14CC4 C40	BG	13
B-14CC4 C44	BG	7	B-14CC4 C41	BG	7
B-14CC4 C45	BG	8	B-14CC4 C42	BG	7
B-14CC4 C46	BG	14	B-14CC4 C43	BG	7
B-14CC4 C48	BG	3	B-14CC4 C44	BG	7
B-14CC4 C49	BG	14	B-14CC4 C45	BG	8
B-14CC4 C50	BG	15	B-14CC4 C46	BG	14
B-14CC4 C52	BG	15	B-14CC4 C48	BG	3
B-14CC4 C53	BG	3	B-14CC4 C49	BG	14

DFAB SPECULAR NOT INCLUDED, DIFFUSE,
REFLECTANCE, RADIATION
 B-14CC4 C68 AEM 11
 B-14CC4 C69 AEM 11
 B-14CC4 C70 AEM 11
 B-14CC4 C71 AEM 35
 B-14CC4 C72 AEM 17
 B-14CC4 C73 AEM 12
 B-14CC4 C74 AEM 35
 B-14CC4 C75 AEM 12
 B-14CC4 C76 AEM 35
 B-14CC4 C77 AEM 12
 B-14CC4 C78 AEM 12
 B-14CC4 C79 AEM 13
 B-14CC4 C80 AEM 17

DFC STANDARD, REFLECTANCE, RADIATION
 B-13946 C01 AEC 1
 B-13946 C02 AAA 1
 B-13946 C03 AEQ 1
 B-13946 C04 AEG 1
 B-13946 C05 AEM 1
 B-13946 C06 AEL 2
 B-13946 C07 AEM 11
 B-13946 C08 AEM 1
 B-13946 C09 AEM 33
 B-13946 C10 BF 2
 B-13946 C11 BF 1
 B-13946 C12 BF 1
 B-13946 C13 BF 4
 B-13946 C14 BG 13
 B-13946 C15 BF 1
 B-13946 C16 BG 13
 B-13946 C17 BG 1
 B-13946 C18 BG 1
 B-13946 C19 BG 1
 B-13946 C20 AEM 33

DFCD MAGNESIUM CARBONATE, STANDARD, REFLECTANCE
RADIATION
 B-13946 C21 AEM 37
 B-13946 C22 AEM 36
 B-13946 C23 AEM 33
 B-13946 C24 BG 13

B-13946 C25	BG	2
B-13946 C26	AET	2
B-14CC4 C02	AEM	34
B-14CC4 C03	AEM	34
B-14CC4 C04	AEM	34
B-14CC4 C05	ARL	3
B-14CC4 C06	AAA	5
B-14CC4 C07	AAA	6
B-14CC4 C08	AET	3
B-14CC4 C09	AET	3
B-14CC4 C10	AET	3
B-14CC4 C11	BF	4
B-14CC4 C12	BF	4
B-14CC4 C13	AEG	1
B-14CC4 C14	AEG	1
B-14CC4 C15	AEG	1
B-14CC4 C17	AEG	2
B-14CC4 C18	AEG	2
B-14CC4 C19	BG	2
B-14CC4 C20	BG	6
B-14CC4 C21	BG	6
B-14CC4 C22	BG	11
B-14CC4 C23	BG	11
B-14CC4 C24	BG	11
B-14CC4 C25	BG	11
B-14CC4 C26	BG	12
B-14CC4 C27	BG	14
B-14CC4 C28	BG	14
B-14CC4 C29	BG	9
B-14CC4 C30	BG	10
B-14CC4 C31	BG	10
B-14CC4 C32	BG	8
B-14CC4 C33	BG	9
B-14CC4 C35	BG	9
B-14CC4 C37	BG	9
B-14CC4 C38	BG	12
B-14CC4 C39	BG	12
B-14CC4 C40	BG	13
B-14CC4 C41	BG	7
B-14CC4 C42	BG	7
B-14CC4 C43	BG	7
B-14CC4 C44	BG	7
B-14CC4 C45	BG	8
B-14CC4 C46	BG	14
B-14CC4 C48	BG	3
B-14CC4 C49	BG	14
B-14CC4 C50	BG	15
B-14CC4 C52	BG	15
B-14CC4 C53	BG	3
B-14CC4 C54	AEM	35
B-14CC4 C55	AEG	2
B-14CC4 C56	AEL	1
B-14CC4 C57	AET	3
B-14CC4 C58	AET	3
B-14CC4 C59	AEL	3
B-14CC4 C60	AET	4
B-14CC4 C61	BF	7
B-14CC4 C62	BF	4
B-14CC4 C63	BG	15
B-14CC4 C64	BG	15
B-14CC4 C65	BG	16
B-14CC4 C66	BG	16
B-14CC4 C67	BG	16
B-14CC4 C68	AEM	11
B-14CC4 C69	AEM	11
B-14CC4 C70	AEM	11
B-14CC4 C71	AEM	35
B-14CC4 C72	AEM	17
B-14CC4 C73	AEM	12
B-14CC4 C74	AEM	35
B-14CC4 C75	AEM	12
B-14CC4 C76	AEM	35
B-14CC4 C77	AEM	12
B-14CC4 C78	AEM	12
B-14CC4 C79	AEM	13
B-14CC4 C80	AEM	17
R-14CC4 C81	BF	3
B-14CC4 C82	BF	2
B-14CC4 C83	BF	3
B-14CC4 C84	BF	5
B-14CC4 C85	BF	5
B-14CC4 C86	BF	5
B-14CC4 C87	BF	5
B-14CC4 C88	BF	3
B-14CC4 C89	BF	6
B-14CC4 C90	BF	8
B-14CC4 C91	BF	6
B-14CC4 C92	BF	6
B-14CC4 C93	BF	6

B-14004	C94	BF	7	B-13864	077	AEM	26
B-14004	095	BF	7	B-13864	078	AEM	27
B-14004	C96	BF	7	B-13864	079	AEM	7
B-14004	097	BG	16	B-13864	080	AEM	8
B-14004	C98	BG	17	B-13864	081	AEM	8
B-14004	C99	BG	10	B-13864	082	AEM	8
B-14004	100	BG	10	B-13864	083	AEM	8
B-14004	101	BG	3	B-13864	084	AEM	9
B-14004	102	BG	3	B-13864	085	AEM	9
B-14004	103	BG	8	B-13864	086	AEM	9
B-14004	104	BG	8	B-13864	087	AEM	9
B-14004	105	BG	17	B-13864	088	AEM	10
B-14004	106	BG	17	B-13864	089	AEM	10
B-14004	107	BG	17	B-13864	090	AEM	10
B-14004	108	BG	18	B-13864	091	AEM	10
B-14004	109	BG	18	B-13864	092	AEM	27
B-14004	110	BG	18	B-13864	093	AEM	27
				B-13864	094	AEM	27
				B-13864	095	AEM	28
				B-13864	096	AEM	28
				B-13864	097	AEM	28
				B-13864	098	AEM	28
				B-13864	099	AEM	29
				B-13864	100	AEM	29
				B-13864	101	AEM	29
				B-13864	102	AEM	29
				B-13864	103	AEM	30
				B-13864	104	AEM	30
				B-13864	105	AEM	30
				B-13864	106	AEM	30
				B-13864	107	AEM	31
				B-13864	108	AEM	31
				B-13864	109	AEM	31
				B-13864	110	AEM	31
				B-13864	111	AEM	32
				B-13864	112	AEM	32
				B-13864	113	AEM	32
				B-13864	114	AEM	32

DFCE MAGNESIUM OXIDE, STANDARD, REFLECTANCE, RADIATION

R-13501	019	CJ	1	B-13864	096	AEM	28
B-13546	C27	BG	2	B-13864	097	AEM	28
B-13546	C29	BG	2	B-13864	098	AEM	28
B-13946	C30	AEM	33	B-13864	099	AEM	29
B-13946	031	BH	1	B-13864	100	AEM	29
B-13946	C32	BG	13	B-13864	101	AEM	29
B-13946	C34	BF	3	B-13864	102	AEM	29
B-13946	035	BF	2	B-13864	103	AEM	30
B-14004	CC1	CJ	1	B-13864	104	AEM	30
				B-13864	105	AEM	30
				B-13864	106	AEM	30
				B-13864	107	AEM	31

DFC BI-DIRECTIONAL REFLECTANCE, RADIATION

B-13864	C19	NPH	2	DJC	EMITTANCE, EMISSION, RADIATION		
B-13864	C20	AEM	2	B-13621	C01	AEM	19
B-13864	C21	AEM	3	B-13621	CC2	AEM	20
B-13864	C22	AEM	3	B-13621	CC3	AEM	20
B-13864	C23	AEM	3	B-13864	C19	AEM	2
B-13864	C24	AEM	3	B-13864	C20	AEM	2
B-13864	C25	AEM	21	B-13864	C21	AEM	3
B-13864	C26	AEM	21	B-13864	C22	AEM	3
B-13864	C27	AEM	21	B-13864	C23	AEM	3
B-13864	C28	AEM	22	B-13864	C24	AEM	3
B-13864	C29	AEM	22	B-13864	C25	AEM	21
B-13864	C30	AEM	22	B-13864	C26	AEM	21
B-13864	C31	AEM	22	B-13864	C27	AEM	21
B-13864	C32	AEM	23	B-13864	C28	AEM	22
B-13864	C33	AEM	23	B-13864	C29	AEM	22
B-13864	034	AEM	13	B-13864	C30	AEM	22
B-13864	035	AEM	14	B-13864	031	AEM	22
B-13864	036	AEM	14	B-13864	032	AEM	23
B-13864	C37	AEM	14	B-13864	033	AEM	23
B-13864	C38	AEM	14	B-13864	034	AEM	13
B-13864	C39	AEM	15	B-13864	035	AEM	14
B-13864	C40	AEM	15	B-13864	036	AEM	14
B-13864	041	AEM	15	B-13864	037	AEM	14
B-13864	C42	AEM	15	B-13864	038	AEM	14
B-13864	043	AEM	16	B-13864	039	AEM	15
B-13864	044	AEM	16	B-13864	040	AEM	15
B-13864	C45	AEM	16	B-13864	041	AEM	15
B-13864	C46	AEM	16	B-13864	042	AEM	15
B-13864	047	AEM	17	B-13864	043	AEM	16
B-13864	048	AEM	17	B-13864	044	AEM	16
B-13864	049	AEM	4	B-13864	045	AEM	16
B-13864	C50	AEM	4	B-13864	046	AEM	16
B-13864	051	AEM	4	B-13864	047	AEM	17
B-13864	C52	AEM	4	B-13864	C48	AEM	17
B-13864	C53	AEM	5	B-13864	049	AEM	4
B-13864	054	AEM	5	B-13864	C50	AEM	4
B-13864	C55	AEM	5	B-13864	051	AEM	4
B-13864	C56	AEM	5	B-13864	052	AEM	4
B-13864	C57	AEM	6	B-13864	053	AEM	5
B-13864	C58	AEM	6	B-13864	C54	AEM	5
B-13864	C59	AEM	6	B-13864	C55	AEM	5
B-13864	C60	AEM	6	B-13864	C56	AEM	5
B-13864	C61	AEM	7	B-13864	C57	AEM	6
B-13864	062	AEM	7	B-13864	C58	AEM	6
B-13864	C63	AEM	7	B-13864	C59	AEM	6
B-13864	C64	AEM	23	B-13864	C60	AEM	6
B-13864	C65	AEM	23	B-13864	C61	AEM	6
B-13864	C66	AEM	24	B-13864	C62	AEM	6
B-13864	067	AEM	24	B-13864	C63	AEM	6
B-13864	C68	AEM	24	B-13864	C64	AEM	6
B-13864	069	AEM	24	B-13864	C65	AEM	6
B-13864	070	AEM	25	B-13864	C66	AEM	6
B-13864	C71	AEM	25	B-13864	C67	AEM	6
B-13864	072	AEM	25	B-13864	C68	AEM	6
B-13864	073	AEM	25	B-13864	C69	AEM	6
B-13864	074	AEM	26	B-13864	C70	AEM	6
B-13864	C75	AEM	26	B-13864	C71	AEM	6
B-13864	C76	AEM	26	B-13864	C72	AEM	6

DK ARTIFICIAL SOURCES, RADIATION

B-13621	C01	AEM	19
B-13621	CC2	AEM	20
B-13621	CC3	AEM	20
B-13864	C19	AEM	2
B-13864	C20	AEM	2
B-13864	C21	AEM	3
B-13864	C22	AEM	3
B-13864	C23	AEM	3
B-13864	C24	AEM	3
B-13864	C25	AEM	21
B-13864	C26	AEM	21
B-13864	C27	AEM	21
B-13864	C28	AEM	22
B-13864	C29	AEM	22
B-13864	C30	AEM	22
B-13864	031	AEM	22
B-13864	032	AEM	23
B-13864	033	AEM	23
B-13864	034	AEM	13
B-13864	035	AEM	14
B-13864	036	AEM	14
B-13864	037	AEM	14
B-13864	038	AEM	14
B-13864	039	AEM	15
B-13864	040	AEM	15
B-13864	041	AEM	15
B-13864	042	AEM	15
B-13864	043	AEM	16
B-13864	044	AEM	16
B-13864	045	AEM	16
B-13864	046	AEM	16
B-13864	047	AEM	17
B-13864	048	AEM	17
B-13864	049	AEM	4
B-13864	050	AEM	4
B-13864	051	AEM	4
B-13864	052	AEM	4
B-13864	053	AEM	5
B-13864	054	AEM	5
B-13864	055	AEM	5
B-13864	056	AEM	5
B-13864	057	AEM	6
B-13864	058	AEM	6
B-13864	059	AEM	6

B-13864 C60	AEM	6	B-14004 004	AAKA	5
B-13864 061	AEM	7	B-14004 007	AATA	6
B-13864 062	AEM	7	B-14004 008	AET	3
B-13864 063	AEM	7	B-14004 009	AET	3
B-13864 064	AEM	23	B-14004 010	ANQ	1
B-13864 065	AEM	23	B-14004 011	BF	4
B-13864 066	AEM	24	B-14004 012	BF	4
B-13864 067	AEM	24	B-14004 013	AEG	1
B-13864 068	AEM	24	B-14004 014	AEG	1
B-13864 069	AEM	24	B-14004 015	AEG	1
B-13864 070	AEM	25	B-14004 017	AEG	2
B-13864 C71	AEM	25	B-14004 018	AEG	2
B-13864 072	AEM	25	B-14004 019	BG	2
B-13864 073	AEM	25	B-14004 020	BG	6
B-13864 074	AEM	26	B-14004 021	BG	6
B-13864 075	AEM	26	B-14004 022	BG	11
B-13864 076	AEM	26	B-14004 023	BG	11
B-13864 077	AEM	26	B-14004 024	BG	11
B-13864 078	AEM	27	B-14004 025	BG	11
B-13864 079	AEM	7	B-14004 026	BG	12
B-13864 C80	AEM	8	B-14004 027	BG	14
B-13864 C81	AEM	8	B-14004 028	BG	14
B-13864 082	AEM	8	B-14004 029	BG	9
B-13864 083	AEM	8	B-14004 030	BG	10
B-13864 C84	AEM	9	B-14004 031	BG	10
B-13864 C85	AEM	9	B-14004 032	BG	8
B-13864 C86	AEM	9	B-14004 033	BG	9
B-13864 C87	AEM	9	B-14004 035	BG	9
B-13864 C88	AEM	1Q	B-14004 037	BG	9
B-13864 C89	AEM	10	B-14004 038	BG	12
B-13864 C90	AEM	10	B-14004 039	BG	12
B-13864 C91	AEM	10	B-14004 040	BG	13
B-13864 C92	AEM	27	B-14004 041	BG	7
B-13864 093	AEM	27	B-14004 042	BG	7
B-13864 094	AEM	27	B-14004 043	BG	7
B-13864 C95	AEM	28	B-14004 044	BG	7
B-13864 096	AEM	28	B-14004 045	EG	8
B-13864 097	AEM	28	B-14004 046	BG	14
B-13864 098	AEM	28	B-14004 048	BG	3
B-13864 099	AEM	29	B-14004 049	BG	14
B-13864 1C0	AEM	29	B-14004 050	BG	15
B-13864 1C1	AEM	29	B-14004 052	BG	15
B-13864 1C2	AEM	29	B-14004 053	BG	3
B-13864 1C3	AEM	30	B-14004 054	AEM	34
B-13864 1C4	AEM	30	B-14004 055	AEG	2
B-13864 1C5	AEM	30	B-14004 056	AEO	1
R-13864 1C6	AEM	30	B-14004 057	AET	3
B-13864 1C7	AEM	31	B-14004 058	AET	3
B-13864 1C8	AEM	31	B-14004 059	AEL	3
B-13864 1C9	AEM	31	B-14004 060	AET	4
B-13864 1C10	AEM	31	B-14004 061	BF	7
B-13864 1C11	AEM	32	B-14004 062	BF	4
H-13864 1C12	AEM	32	B-14004 063	BG	15
R-13864 1C13	AEM	32	B-14004 064	BG	15
B-13864 1C14	AEM	32	B-14004 065	BG	16
B-13946 C04	AEG	1	B-14004 066	BG	16
B-13946 C05	AEM	1	B-14004 067	BG	16
B-13946 C06	AEL	2	B-14004 068	AEM	11
B-13946 0C7	AEM	11	B-14004 069	AEM	11
B-13946 C08	AEB	1	B-14004 070	AEM	11
B-13946 C09	AEM	33	B-14004 071	AEM	35
B-13946 C10	BF	2	B-14004 072	AEM	17
B-13946 C11	BF	1	B-14004 073	AEM	12
B-13946 C12	BF	1	B-14004 U74	AEM	35
B-13946 C13	BF	1	B-14004 C75	AEM	12
B-13946 015	BF	4	B-14004 076	AEM	35
B-13946 C16	BG	13	B-14004 077	AEM	12
B-13946 C17	BG	1	B-14004 C78	AEM	12
B-13946 C18	BG	1	B-14004 079	AEM	13
B-13946 C19	BG	1	B-14004 080	AEM	17
B-13946 C20	AEM	33	B-14004 081	BF	3
B-13946 C21	AEM	37	B-14004 C82	BF	2
B-13946 C22	AEM	36	B-14004 083	BF	3
B-13946 C23	AEM	33	B-14004 C84	BF	5
B-13946 C24	BG	13	B-14004 C85	BF	5
B-13946 C25	BG	2	B-14004 C86	BF	5
B-13946 C26	AET	2	B-14004 C87	BF	5
B-13946 C27	BC	2	B-14004 C88	BF	3
B-13946 C29	BC	2	B-14004 C89	BF	6
B-13946 C30	AEM	33	B-14004 C90	BF	8
B-13946 C31	BF	1	B-14004 C91	BF	6
B-13946 C32	BG	13	B-14004 C92	BF	6
B-13946 C34	BF	3	B-14004 C93	BF	6
B-13946 035	BF	2	B-14004 C94	BF	7
B-14004 CC1	CJ	1	B-14004 C95	BF	7
B-14004 CC2	AEM	34	B-14004 C96	BF	7
B-14004 CC3	AEM	34	B-14004 C97	BG	16
B-14004 CC4	AEM	34	B-14004 C98	BG	17
B-14004 CC5	AEL	3	B-14004 099	BG	10

B-14C04	1C0	BG	10		B-13501	077'	AAKA	2					
B-14C04	1C1	BG	3		B-13501	078	AAKA	3					
B-14C04	1C2	BG	3		B-13501	079	AAKA	3					
B-14C04	1C3	BG	8		B-13501	080	AAKA	3					
B-14C04	1C4	BG	8		B-13501	081	AAKA	3					
B-14C04	1C5	BG	17		B-13501	082	AAKA	4					
B-14C04	1C6	BG	17		B-13501	083	AAKA	4					
B-14C04	1C7	BG	17		B-13501	084	AAKA	4					
B-14C04	1C8	BG	18		B-13501	085	AAKA	4					
B-14C04	1C9	BG	18		B-13501	086	AAKA	5					
B-14C04	1C0	BG	18		B-13501	087	AAKA	5					
B-14C04	1C1	BG	18		B-13501	088	AAKA	5					
B-14C04	1C2	BG	18		B-13501	089	ABP	5					
OKC GLOBAR, ARTIFICIAL SOURCES, RADIATION													
B-135C1	C01	AEM	18		OLF SOLAR, NATURAL SOURCES, RADIATION								
B-13501	C02	AEM	18		B-13864	C01	AEM	20					
B-13501	C03	AEM	18		B-13864	C02	AEM	20					
B-135C1	C04	AEM	18		B-13864	C03	AEM	21					
B-13501	C05	AEM	19		B-13864	C04	BF	1					
B-13501	C06	AEM	35		B-13864	C05	BG	12					
B-135C1	C07	AEM	19		B-13864	C06	BG	1					
B-13501	C08	AEM	36		B-13864	C07	BG	4					
B-135C1	C09	AEM	13		B-13864	C08	AEM	2					
B-135C1	C10	AEM	36		B-13864	C09	BF	2					
B-13501	C11	AEM	36		B-13864	C10	BG	4					
B-135C1	C12	AEM	37		B-13864	C11	BG	4					
B-135C1	C13	AEM	1		B-13864	C12	BG	4					
B-13501	C14	AEM	19		B-13864	C13	BG	5					
B-13501	C15	AEM	13		B-13864	C14	BG	5					
B-135C1	C16	AEM	1		B-13864	C15	BG	5					
B-135C1	C17	AEM	1		B-13864	C16	BG	5					
B-13501	C18	AEM	1		B-13864	C17	BG	6					
B-13501	C19	CJ	1		B-13864	C18	BG	6					
B-135C1	C20	CJ	1		ECAC .2-.3 MICRONS, UV, OPTICAL, SPECTRA								
B-135C1	C21	AET	1		B-13946	C21	AEM	37					
B-135C1	C22	AET	1		B-13946	C22	AEM	36					
B-135C1	C23	AET	1		B-13946	C23	AEM	33					
B-135C1	C24	AET	1		B-13946	C24	BG	13					
B-13501	C25	AET	2		B-13946	C25	BG	2					
B-13501	C26	AET	2		B-13946	C26	AET	2					
B-135C1	C27	AET	2		B-13946	C34	BF	3					
B-13501	C28	AER	1		B-13946	C35	BF	2					
B-13501	C29	AER	1		B-14C04	C01	CJ	1					
B-13501	C30	AER	1		B-14C04	C02	AEM	34					
B-135C1	C31	AER	1		B-14C04	C04	AEM	34					
B-135C1	C32	AER	2		B-14C04	C05	AEL	3					
B-13501	C33	AER	2		B-14C04	C06	AAKA	5					
B-13501	C34	AER	2		B-14C04	C07	AAKA	6					
B-13501	C35	AER	2		B-14C04	C08	AET	3					
B-135C1	C36	AEM	1		B-14C04	C09	AET	3					
B-135C1	C37	AEM	2		B-14C04	C10	AEQ	1					
B-13501	C38	AEL	1		B-14C04	C11	BF	4					
B-13501	C39	AEL	1		B-14C04	C12	BF	4					
B-135C1	C40	AEL	1		B-14C04	C13	AEG	1					
B-13501	C41	AEL	1		B-14C04	C14	AEG	1					
B-135C1	C42	AEL	2		B-14C04	C15	AEG	1					
B-135C1	C43	AEL	2		B-14C04	C17	AEG	2					
B-135C1	C44	AEL	2		B-14C04	C18	AEG	2					
B-13501	C45	AEA	1		B-14C04	C19	BG	2					
B-135C1	C46	AEO	1		B-14C04	C20	BG	6					
B-135C1	C47	AEO	1		B-14C04	C21	BG	6					
B-135C1	C48	AEO	1		B-14C04	C22	BG	11					
B-13501	C49	AEO	1		B-14C04	C23	BG	11					
B-135C1	C50	AEP	1		B-14C04	C24	BG	11					
B-135C1	C51	AAKA	1		B-14C04	C25	BG	11					
B-13501	C52	AEP	1		B-14C04	C26	BG	12					
B-135C1	C53	AEP	1		B-14C04	C27	BG	14					
B-13501	C54	AEP	1		B-14C04	C28	BG	14					
B-135C1	C55	AEP	2		B-14C04	C29	BG	9					
B-13501	C56	AEP	2		B-14C04	C30	BG	10					
B-13501	C57	AEP	2		B-14C04	C31	BG	10					
B-135C1	C58	AEP	2		B-14C04	C32	BG	8					
B-13501	C59	AEO	2		B-14C04	C33	BG	9					
B-135C1	C60	AEO	2		B-14C04	C35	BG	9					
B-135C1	C61	AAKA	1		B-14C04	C37	BG	9					
B-13501	C62	AEP	3		B-14C04	C38	BG	12					
B-135C1	C63	AEP	3		B-14C04	C40	BG	13					
B-13501	C64	AEP	3		B-14C04	C41	BG	7					
B-13501	C65	AAKA	1		B-14C04	C42	BG	7					
B-13501	C66	AEP	3		B-14C04	C43	BG	7					
B-13501	C67	AEP	4		B-14C04	C44	BG	7					
B-13501	C68	AEP	4		B-14C04	C45	BG	8					
B-135C1	C69	AEP	4		B-14C04	C46	BG	14					
B-13501	C70	AEO	2		B-14C04	C48	BG	3					
B-13501	C71	AEP	4		B-14C04	C49	BG	14					
B-13501	C72	AEO	2		B-14C04	C50	BG	15					
B-13501	C73	AAKA	1		B-14C04	C52	BG	15					
B-135C1	C74	AAKA	2		B-14C04	C53	BG	3					
B-13501	C75	AAKA	2										
B-13501	C76	AAKA	2										

B-14C04 063	BG	15	B-14C04 008	AET	3
B-14C04 064	BG	15	B-14C04 009	AET	3
B-14C04 065	BG	16	B-14C04 C10	AEQ	1
B-14C04 066	BG	16	B-14C04 C11	BF	4
B-14C04 067	BG	16	B-14C04 C12	BF	4
B-14C04 C68	AEM	11	B-14C04 C13	AEG	1
B-14C04 C69	AEM	11	B-14C04 C14	AEG	1
B-14C04 C70	AEM	11	B-14C04 C15	AEG	1
B-14C04 C71	AEM	35	B-14C04 C17	AEG	2
B-14C04 C72	AEM	17	B-14C04 C18	AEG	2
B-14C04 C73	AEM	12	B-14C04 C19	BG	2
B-14C04 C74	AEM	35	B-14C04 C20	BG	6
B-14C04 C75	AEM	12	B-14C04 C21	BG	6
B-14C04 C76	AEM	35	B-14C04 C22	BG	11
B-14C04 C77	AEM	12	B-14C04 C23	BG	11
B-14C04 C78	AEM	12	B-14C04 C24	BG	11
B-14C04 C79	AEM	13	B-14C04 C25	BG	11
B-14C04 080	AEM	17	B-14C04 C26	BG	12
B-14C04 081	BF	3	B-14C04 C27	BG	14
B-14C04 082	BF	2	B-14C04 C28	BG	14
B-14C04 083	BF	3	B-14C04 029	BG	9
B-14C04 C84	BF	5	B-14C04 030	BG	10
B-14C04 C85	BF	5	B-14C04 C31	BG	10
B-14C04 C86	BF	5	B-14C04 032	BG	8
B-14C04 C87	BF	5	B-14C04 C33	BG	9
B-14C04 C88	BF	3	B-14C04 C35	BG	9
B-14C04 C89	BF	6	B-14C04 037	BG	9
B-14C04 C90	BF	8	B-14C04 038	BG	12
B-14C04 C91	BF	6	B-14C04 C39	BG	12
B-14C04 C92	BF	6	B-14C04 040	BG	13
B-14C04 C93	BF	6	B-14C04 041	BG	7
B-14C04 C94	BF	7	B-14C04 C42	BG	7
B-14C04 C95	BF	7	B-14C04 C43	BG	7
B-14C04 C96	BF	7	B-14C04 C44	BG	7
B-14C04 C97	BG	16	B-14C04 C45	BG	8
B-14C04 C98	BG	17	B-14C04 C46	BG	14
B-14C04 C99	BG	10	B-14C04 C48	BG	3
B-14C04 100	BG	10	B-14C04 C49	BG	14
B-14C04 101	BG	3	B-14C04 C50	BG	15
B-14C04 102	BG	3	B-14C04 C52	BG	15
B-14C04 103	BG	8	B-14C04 C53	BG	3
B-14C04 104	BG	8	B-14C04 C54	AEM	34
B-14C04 105	BG	17	B-14C04 C55	AEG	2
B-14C04 106	BG	17	B-14C04 056	AEQ	1
B-14C04 107	BG	17	B-14C04 C57	AET	3
B-14C04 108	BG	18	B-14C04 C58	AET	3
B-14C04 109	BG	18	B-14C04 C59	AEL	3
B-14C04 110	BG	18	B-14C04 060	AET	3
			B-14C04 061	BF	7
			B-14C04 C62	BF	4
			B-14C04 C63	BG	15
			B-14C04 064	BG	15
			B-14C04 065	BG	16
			B-14C04 C66	BG	16
			B-14C04 067	BG	16
			B-14C04 C68	AEM	11
			B-14C04 C69	AEM	11
			B-14C04 070	AEM	11
			B-14C04 071	AEM	35
			B-14C04 072	AEM	17
			B-14C04 C73	AEM	12
			B-14C04 C74	AEM	35
			B-14C04 C75	AEM	12
			B-14C04 C76	AEM	35
			B-14C04 077	AEM	12
			B-14C04 C78	AEM	12
			-14C04 079	AEM	13
			-14C04 080	AEM	17
			-14C04 081	BF	3
			B-14C04 C82	BF	2
			B-14C04 083	BF	3
			B-14C04 C84	BF	5
			B-14C04 C85	BF	5
			B-14C04 086	BF	5
			B-14C04 087	BF	5
			B-14C04 C88	BF	3
			B-14C04 089	BF	6
			B-14C04 C90	BF	8
			B-14C04 091	BF	6
			B-14C04 092	BF	6
			B-14C04 093	BF	6
			B-14C04 C94	BF	7
			B-14C04 095	BF	7
			B-14C04 096	BF	7
			B-14C04 C97	BG	16
			B-14C04 098	BG	17
			B-14C04 099	BG	10
			B-14C04 100	BG	10
			B-14C04 101	BG	3

ECAD .3-.4 MICRONS, UV, OPTICAL, SPECTRA

B-13946 C01	AEC	1
B-13946 C02	AEA	1
B-13946 C03	AEQ	1
B-13946 C04	AEG	1
B-13946 C05	AEM	1
B-13946 CC6	AEL	2
B-13946 C07	AEM	11
B-13946 CC8	AEB	1
B-13946 C09	AEM	33
B-13946 C10	BF	2
B-13946 C11	BF	1
B-13946 C12	BF	1
B-13946 C13	BF	1
B-13946 C15	BF	4
B-13946 C16	BG	13
B-13946 C17	BG	1
B-13946 C18	BG	1
B-13946 C19	BG	1
B-13946 C20	AEM	33
B-13946 C21	AEM	37
B-13946 C22	AEM	36
B-13946 C23	AEM	33
B-13946 C24	BG	13
B-13946 C25	BG	2
B-13946 C26	AET	2
B-13946 C27	BG	2
B-13946 C29	BG	2
B-13946 C30	AEM	33
B-13946 C31	BH	1
B-13946 C32	BG	13
B-13946 C34	BF	3
B-13946 C35	BF	2
B-14C04 CC1	CJ	1
B-14C04 C02	AEM	34
B-14C04 CC3	AEM	34
B-14C04 C04	AEM	34
B-14C04 C05	AEL	3
B-14C04 C06	AAKA	5
B-14C04 C07	AAKA	6

B-14C04	1C2	BG	3	B-13864	079	AEM	7
B-14C04	1C3	BG	8	B-13864	080	AEM	8
B-14C04	1C4	BG	8	B-13864	081	AEM	8
B-14C04	1C5	BG	17	B-13864	082	AEM	8
B-14C04	1C6	BG	17	B-13864	083	AEM	8
B-14C04	1C7	BG	17	B-13864	084	AEM	9
B-14C04	1C8	BG	18	B-13864	085	AEM	9
B-14C04	1C9	BG	18	B-13864	086	AEM	9
B-14C04	1C0	BG	18	B-13864	087	AEM	9
B-14C04	1C1	BG	18	B-13864	088	AEM	10
B-14C04	1C2	BG	18	B-13864	089	AEM	10
ECB VISIBLE (.4-.7 MICRONS), OPTICAL, SPECTRA							
B-13864	C01	AEM	20	B-13864	C90	AEM	10
B-13864	C02	AEM	20	B-13864	C91	AEM	10
B-13864	C03	AEM	21	B-13864	C92	AEM	27
B-13864	C04	BF	1	B-13864	C93	AEM	27
B-13864	C05	BG	12	B-13864	C94	AEM	27
B-13864	C06	BG	1	B-13864	C95	AEM	28
B-13864	C07	BG	4	B-13864	C96	AEM	28
B-13864	C08	AEM	2	B-13864	C97	AEM	28
B-13864	C09	BF	2	B-13864	C98	AEM	28
B-13864	C10	BG	4	B-13864	C99	AEM	29
B-13864	C11	BG	4	B-13864	100	AEM	29
B-13864	C12	BG	4	B-13864	1C1	AEM	29
B-13864	C13	BG	5	B-13864	1C2	AEM	29
B-13864	C14	BG	5	B-13864	103	AEM	30
B-13864	C15	BG	5	B-13864	104	AEM	30
B-13864	C16	BG	5	B-13864	1C5	AEM	30
B-13864	C17	BG	6	B-13864	1C6	AEM	30
B-13864	C18	BG	6	B-13864	1C7	AEM	31
B-13864	C19	AEM	2	B-13864	1C8	AEM	31
B-13864	C20	AEM	2	B-13864	1C9	AEM	31
B-13864	C21	AEM	3	B-13864	110	AEM	31
B-13864	C22	AEM	3	B-13864	111	AEM	32
B-13864	C23	AEM	3	B-13864	112	AEM	32
B-13864	C24	AEM	3	B-13864	113	AEM	32
B-13864	C25	AEM	21	B-13864	114	AEM	32
B-13864	C26	AEM	21	B-13946	CC1	AEC	1
B-13864	C27	AEM	21	B-13946	C02	AEA	1
B-13864	C28	AEM	22	B-13946	C03	AEQ	1
B-13864	C29	AEM	22	B-13946	C04	AEG	1
B-13864	C30	AEM	22	B-13946	C05	AEH	1
B-13864	C31	AEM	22	B-13946	C06	AEL	2
B-13864	C32	AEM	23	B-13946	C07	AEM	11
B-13864	C33	AEM	23	B-13946	C08	AEB	1
B-13864	C34	AEM	13	B-13946	C09	AEM	33
B-13864	C35	AEM	14	B-13946	C10	BF	2
B-13864	C36	AEM	14	B-13946	C11	BF	1
B-13864	C37	AEM	14	B-13946	C12	BF	1
B-13864	C38	AEM	14	B-13946	C13	BF	1
B-13864	C39	AEM	15	B-13946	C15	BF	4
B-13864	C40	AEM	15	B-13946	C16	BG	13
B-13864	C41	AEM	15	B-13946	C17	BG	1
B-13864	C42	AEM	15	B-13946	C18	BG	1
B-13864	C43	AEM	16	B-13946	C19	BG	1
B-13864	C44	AEM	16	B-13946	C20	AEM	33
B-13864	C45	AEM	16	B-13946	C27	BG	2
B-13864	C46	AEM	16	B-13946	C29	BG	2
B-13864	C47	AEM	17	B-13946	C30	AEM	33
B-13864	C48	AEM	17	B-13946	C31	BN	1
B-13864	C49	AEM	4	B-13946	C32	BG	13
B-13864	C50	AEM	4	B-13946	C34	BF	3
B-13864	C51	AEM	4	B-13946	C35	BF	2
B-13864	C52	AEM	4	B-14C04	001	CJ	1
B-13864	C53	AEM	5	B-14C04	C54	AEM	34
B-13864	C54	AEM	5	B-14C04	C55	AEG	2
B-13864	C55	AEM	5	B-14C04	C56	AEQ	1
B-13864	C56	AEM	5	B-14C04	C57	AET	3
B-13864	C57	AEM	6	B-14C04	C58	AET	3
B-13864	C58	AEM	6	B-14C04	C59	AEL	3
B-13864	C59	AEM	6	B-14C04	C60	AET	4
B-13864	C60	AEM	6	B-14C04	C61	BF	7
B-13864	C61	AEM	7	B-14C04	C62	BF	4
B-13864	C62	AEM	7	B-14C04	C68	AEM	11
B-13864	C63	AEM	7	B-14C04	C69	AEM	11
B-13864	C64	AEM	23	B-14C04	C70	AEM	11
B-13864	C65	AEM	23	B-14C04	C71	AEM	35
B-13864	C66	AEM	24	B-14C04	C72	AEM	17
B-13864	C67	AEM	24	B-14C04	C73	AEM	12
B-13864	C68	AEM	24	B-14C04	C74	AEM	35
B-13864	C69	AEM	24	B-14C04	C75	AEM	12
B-13864	C70	AEM	25	B-14C04	C76	AEM	35
B-13864	C71	AEM	25	B-14C04	C77	AEM	12
B-13864	C72	AEM	25	B-14C04	C78	AEM	12
B-13864	C73	AEM	25	B-14C04	C79	AEM	13
B-13864	C74	AEM	26	B-14C04	C80	AEM	17
B-13864	C75	AEM	26	B-14C04	C81	BF	3
B-13864	C76	AEM	26	B-14C04	C82	BF	2
B-13864	C77	AEM	26	B-14C04	C83	BF	3
B-13864	C78	AEM	27	B-14C04	C84	BF	5

B-14C4 085	BF	5	B-13864 090	AEM	10
B-14C4 C86	BF	5	B-13864 091	AEM	10
B-14C4 C87	BF	5	B-13946 011	BF	1
B-14C4 C88	BF	3			
B-14C4 C89	BF	6			
B-14C4 C90	BF	8			
B-14C4 C91	BF	6			
B-14C4 C92	BF	6			
B-14C4 C93	BF	6			
B-14C4 C94	BF	7			
B-14C4 C95	BF	7			
B-14C4 C96	BF	7			
B-14C4 C97	BG	16			
B-14C4 C98	BG	17			
B-14C4 C99	BG	10			
B-14C4 1C0	BG	10			
B-14C4 1C1	BG	3			
B-14C4 1C2	BG	3			
B-14C4 1C3	BG	8			
B-14C4 1C4	BG	8			
B-14C4 1C5	BG	17			
B-14C4 1C6	BG	17			
B-14C4 1C7	BG	17			
B-14C4 1C8	BG	18			
B-14C4 1C9	BG	18			
B-14C4 1C0	BG	18			
ECB8A	BLUE, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	B-13501 C28	AER	1		
	B-13501 C30	AER	1		
	B-135C1 C35	AER	2		
	B-135C1 C36	AEM	1		
	B-13501 C38	AEL	1		
	B-135C1 C47	AEO	1		
	B-135C1 C52	AEP	1		
	B-135C1 C55	AEP	2		
	B-135C1 C63	AEP	3		
	B-13501 C63/	AAKA	4		
	B-135C1 C87	AAKA	5		
	B-13501 C88	AAKA	5		
ECB8B	GREEN, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	R-13501 071	AEP	4		
	B-13864 007	BG	4		
	B-13946 016	BG	13		
	B-13946 017	BG	1		
	B-13946 027	BG	2		
ECB8C	YELLOW, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	B-135C1 C13	AEM	1		
	H-13946 C10	BF	2		
	B-14C4 C61	BF	7		
	B-14C4 C69	AEM	11		
	R-14C4 C78	AEM	12		
	B-14C4 C82	BF	2		
	B-14C4 C88	BF	3		
ECB8D	ORANGE, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	R-14C4 C68	AEM	11		
	B-14C4 C77	AEM	12		
ECB8E	RED, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	B-135C1 C40	AEL	1		
	B-13946 C01	AEC	1		
	B-13946 C15	BF	4		
	B-13946 C35	BF	2		
	B-14004 C90	BF	8		
ECB8F	BROWN, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	B-135C1 C65	AAKA	1		
	B-13864 004	BF	1		
	B-13864 019	AEM	2		
	B-13864 079	AEM	7		
	B-13864 080	AEM	8		
	B-13864 081	AEM	8		
	B-13864 082	AEM	8		
	B-13864 083	AEM	8		
	B-13864 C84	AEM	9		
	B-13864 C85	AEM	9		
	B-13864 C86	AEM	9		
	B-13864 C87	AEM	9		
	B-13864 C88	AEM	10		
	B-13864 C89	AEM	10		
ECB8G	FIELD DRAB, COLOR, VISIBLE, (1.4-.7 MICRONS) OPTICAL, SPECTRA				
	B-13501 077	AAKA	2		
ECB8H	KHAKI, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	B-13501 084	AAKA	4		
	B-13501 085	AAKA	4		
ECB8I	OLIVE DRAB, COLOR, VISIBLE, (1.4-.7 MICRONS) OPTICAL, SPECTRA				
	B-135C1 C01	AEM	18		
	B-135C1 C02	AEM	18		
	B-135C1 C03	AEM	18		
	B-135C1 C04	AEM	18		
	B-13501 C05	AEM	19		
	B-13501 C07	AEM	19		
	B-13501 014	AEM	19		
	B-13501 048	AEO	1		
	B-135C1 049	AEO	1		
	B-135C1 050	AEP	1		
	B-135C1 057	AEP	2		
	B-13501 C58	AEP	2		
	B-13501 059	AEO	2		
	B-135C1 C60	AEO	2		
	B-13501 C69	AEP	4		
	B-13501 C73	AAKA	1		
	B-13501 074	AAKA	2		
	B-13501 075	AAKA	2		
	B-13501 078	AAKA	3		
	B-13501 079	AAKA	3		
	B-13501 C80	AAKA	3		
	B-13501 C81	AAKA	3		
	B-135C1 C82	AAKA	4		
	B-13501 C86	AAKA	5		
	B-13621 C01	AEM	19		
	B-13621 C02	AEM	20		
	B-13621 G03	AEM	20		
	B-13864 C02	AEM	20		
	B-13864 C25	AEM	21		
	B-13864 C26	AEM	21		
	B-13864 C27	AEM	21		
	B-13864 028	AEM	22		
	B-13864 C29	AEM	22		
	B-13864 105	AEM	30		
	B-13864 1C6	AEM	30		
	B-13864 1C7	AEM	31		
	B-13864 108	AEM	31		
	B-13864 1C9	AEM	31		
	B-13864 110	AEM	31		
	B-13864 111	AEM	32		
	B-13864 112	AEM	32		
	B-13864 113	AEM	32		
	B-13864 114	AEM	32		
	B-13946 C09	AEM	33		
	B-13946 C20	AEM	33		
	B-13946 C23	AEM	33		
	B-13946 C30	AEM	33		
	B-14C4 CC2	AEM	34		
	B-14C4 CC3	AEM	34		
	B-14C4 C04	AEM	34		
	B-14C4 C54	AEM	34		
	B-14C4 071	AEM	35		
ECB8J	WHITE, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	B-13501 031	AER	1		
	B-13501 032	AER	2		
	B-13501 046	AEO	1		
	B-135C1 C61	AAKA	1		
	B-14004 012	BF	4		
	B-14C4 C83	BF	3		
ECB8K	GREY, COLOR, VISIBLE (1.4-.7 MICRONS), OPTICAL, SPECTRA				
	B-13501 033	AER	2		
	B-135C1 037	AEM	2		
	B-13501 039	AEL	1		
	B-13501 051	AAKA	1		
	B-13501 070	AEO	2		
	B-13501 076	AAKA	2		
	B-13864 008	AEM	2		
	B-13864 020	AEM	2		
	B-13864 C21	AEM	3		
	B-13864 022	AEM	3		

B-13864 C23	AEM	3	B-13501 042	AEL	2
B-13864 024	AEM	3	B-13501 043	AEL	2
B-13864 049	AEM	4	B-13501 044	AEL	2
B-13864 C50	AEM	4	B-13501 045	AER	1
B-13864 C51	AEM	4	B-13501 046	AEO	1
B-13864 052	AEM	4	B-13501 047	AEO	1
B-13864 053	AEM	5	B-13501 048	AEO	1
B-13864 C54	AEM	5	B-13501 049	AEO	1
B-13864 C55	AEM	5	B-13501 C50	AEP	1
B-13864 C56	AEM	5	B-13501 051	AAKA	1
B-13864 C57	AEM	6	B-13501 C52	AEP	1
B-13864 C58	AEM	6	B-13501 C53	AEP	1
B-13864 059	AEM	6	B-13501 C54	AEP	1
B-13864 C60	AEM	6	B-13501 C55	AEP	2
B-13864 C61	AEM	7	B-13501 056	AEP	2
B-13864 C62	AEM	7	B-13501 C57	AEP	2
B-13864 063	AEM	7	B-13501 C58	AEP	2
B-13946 C05	AEM	1	B-13501 C59	AEO	2
B-13946 C12	BF	1	B-13501 060	AEO	2
B-14004 C73	AEM	12	B-13501 061	AAKA	1
B-14004 075	AEM	12	B-13501 C62	AEP	3
B-14004 C93	BF	6	B-13501 063	AEP	3
ECBBL BLACK, COLOR, VISIBLE (.4-.7 MICRONS), OPTICAL, SPECTRA					
B-13501 C16	AEM	1	B-13501 064	AEP	3
B-13501 017	AEM	1	B-13501 065	AAKA	1
B-13501 C29	AER	1	B-13501 066	AEP	3
B-13501 C34	AER	2	B-13501 067	AEP	4
B-13501 C53	AEP	1	B-13501 C68	AEP	4
B-13501 C54	AEP	1	B-13501 C69	AEP	4
B-13501 C56	AEP	2	B-13501 C70	AEO	2
B-13501 C62	EP	3	B-13501 C71	AEP	4
B-13501 C64	AEP	3	B-13501 C72	AEO	2
B-13501 C66	AEP	3	B-13501 C73	AAKA	1
B-13501 C67	AEP	4	B-13501 C74	AAKA	2
B-13501 068	AEP	4	B-13501 C75	AAKA	2
B-13501 C72	AEO	2	B-13501 C76	AAKA	2
B-13501 C89	AEP	5	B-13501 C77	AAKA	2
B-13946 C07	AEM	11	B-13501 C78	AAKA	3
B-13946 C13	BF	1	B-13501 081	AAKA	3
B-14004 C06	AAKA	5	B-13501 C82	AAKA	4
B-14004 007	AAKA	6	B-13501 083	AAKA	4
B-14004 C70	AEM	11	B-13501 C84	AAKA	4
B-14004 C79	AEM	13	B-13501 085	AAKA	4
B-14004 081	BF	3	B-13501 086	AAKA	5
ECCA .7-1.5 MICRONS, IR, OPTICAL, SPECTRA					
B-13501 C01	AEM	18	B-13501 C87	AAKA	5
B-13501 C02	AEM	18	B-13501 C88	AAKA	5
B-13501 003	AEM	18	B-13501 089	AEP	5
B-13501 C04	AEM	18	B-13946 C01	AEC	1
B-13501 C05	AEM	19	B-13946 002	AEA	1
B-13501 C06	AEM	35	B-13946 C03	AEQ	1
B-13501 C07	AEM	19	B-13946 C04	AEG	1
B-13501 C08	AEM	36	B-13946 C05	AEN	1
B-13501 C09	AEM	13	B-13946 C06	AEL	2
B-13501 C10	AEM	36	B-13946 C07	AEM	11
B-13501 C11	AEM	36	B-13946 C08	AEB	1
B-13501 C12	AEM	37	B-13946 C09	AEM	33
B-13501 C13	AEM	1	B-13946 C10	BF	2
B-13501 C14	AEM	19	B-13946 C11	BF	1
B-13501 C15	AEM	13	B-13946 C12	BF	1
B-13501 C16	AEM	1	B-13946 C13	BF	1
B-13501 C17	AEM	1	B-13946 C15	BF	4
B-13501 C18	AET	1	B-13946 C16	BG	13
B-13501 019	CJ	1	B-13946 C17	BG	1
B-13501 C20	CJ	1	B-13946 C18	BG	1
B-13501 C21	AET	1	B-13946 C19	BG	1
B-13501 C22	AET	1	B-13946 C20	AEM	33
B-13501 C23	AET	1	B-13946 C27	BG	2
B-13501 C24	AET	1	B-13946 C29	BG	2
B-13501 C25	AET	2	B-13946 C30	AEM	33
B-13501 C26	AET	2	B-13946 C31	BH	1
B-13501 C27	AET	2	B-13946 C32	BG	13
B-13501 C28	AER	1	B-13946 C34	BF	3
B-13501 C29	AER	1	B-13946 C35	BF	2
B-13501 C30	AER	1	B-14004 001	CJ	1
B-13501 C31	AER	1	B-14004 C68	AEM	11
B-13501 C32	AER	2	B-14004 C69	AEM	11
B-13501 C33	AER	2	B-14004 070	AEM	11
B-13501 C34	AER	2	B-14004 C71	AEM	35
B-13501 C35	AER	2	B-14004 C72	AEM	17
B-13501 C36	AEM	1	B-14004 C73	AEM	12
B-13501 C37	AEM	2	B-14004 C74	AEM	35
B-13501 C38	AEL	1	B-14004 C75	AEM	12
B-13501 C39	AEL	1	B-14004 C76	AEM	35
B-13501 C40	AEL	1	B-14004 C77	AEM	12
B-13501 041	AEL	1	B-14004 C78	AEM	12
			B-14004 C79	AEM	13
			B-14004 C80	AEM	17
			B-14004 081	BF	3

B-14C04 C82	BF	2	B-13501 C59	AEO	2
B-14C04 C83	BF	3	B-13501 C60	AEO	2
B-14C04 C84	BF	5	B-13501 C61	AAKA	1
B-14C04 C85	BF	5	B-13501 C62	AEF	3
B-14C04 C86	BF	5	B-13501 C63	AEF	3
B-14C04 C87	BF	5	B-13501 C64	AEF	3
B-14C04 C88	BF	3	B-13501 C65	AAKA	1
B-14C04 C89	BF	6	B-13501 C66	AEF	3
B-14C04 C90	BF	8	B-13501 C67	AEF	4
B-14C04 C91	BF	6	B-13501 C68	AEF	4
B-14C04 C92	BF	6	B-13501 C69	AEF	4
B-14C04 C93	BF	6	B-13501 C70	AEO	2
B-14C04 C94	BF	7	B-13501 C71	AEF	4
B-14C04 C95	BF	7	B-13501 C72	AEO	2
B-14C04 C96	BF	7	B-13501 C73	AAKA	1
B-14C04 C97	BC	16	B-13501 C74	AAKA	2
B-14C04 C98	BC	17	B-13501 C75	AAKA	2
B-14C04 C99	BC	10	B-13501 C76	AAKA	2
B-14C04 100	BC	10	B-13501 C77	AAKA	2
B-14C04 101	BC	3	B-13501 C78	AAKA	3
B-14C04 1C2	BC	3	B-13501 C79	AAKA	3
B-14C04 1C3	BC	8	B-13501 C80	AAKA	3
B-14C04 1C4	BC	8	B-13501 C81	AAKA	3
B-14C04 1C5	BC	17	B-13501 C82	AAKA	4
B-14C04 1C6	BC	17	B-13501 C83	AAKA	4
B-14C04 1C7	BC	17	B-13501 C84	AAKA	4
B-14C04 1C8	BC	18	B-13501 C85	AAKA	4
B-14C04 1C9	BC	18	B-13501 C86	AAKA	5
B-14C04 1C0	BC	18	B-13501 C87	AAKA	5
B-14C04 1C1	BC	18	B-13501 C88	AAKA	5
			B-13501 C89	AEF	5

ECCC 1.5-3.0 MICRONS, IR, OPTICAL, SPECTRA

B-13501 001	AEM	18	B-13946 C94	BF	3
B-13501 002	AEM	18	B-13946 C95	BF	2
B-13501 C03	AEM	18	B-14C04 C01	CJ	1
B-13501 004	AEM	18	B-14C04 C68	AEM	11
B-13501 005	AEM	19	B-14C04 C69	AEM	11
B-13501 C06	AEM	35	B-14C04 C70	AEM	11
B-13501 C07	AEM	19	B-14C04 C71	AEM	35
B-13501 C08	AEM	36	B-14C04 C72	AEM	17
B-13501 C09	AEM	13	B-14C04 C73	AEM	12
B-13501 C10	AEM	36	B-14C04 C74	AEM	35
B-13501 C11	AEM	36	B-14C04 C75	AEM	12
B-13501 C12	AEM	37	B-14C04 C76	AEM	35
B-13501 C13	AEM	1	B-14C04 C77	AEM	12
B-13501 C14	AEM	19	B-14C04 C78	AEM	12
B-13501 C15	AEM	13	B-14C04 C79	AEM	13
B-13501 C16	AEM	1	B-14C04 C80	AEM	17
B-13501 C17	AEM	1	B-14C04 C81	BF	3
B-13501 C18	AEM	1	B-14C04 C82	BF	2
B-13501 C19	CJ	1	B-14C04 C83	BF	3
B-13501 C20	CJ	1	B-14C04 C84	BF	5
B-13501 C21	AET	1	B-14C04 C85	BF	5
B-13501 C22	AET	1	B-14C04 C86	BF	5
B-13501 C23	AET	1	B-14C04 C87	BF	5
B-13501 C24	AET	1	B-14C04 C88	BF	3
B-13501 C25	AET	2	B-14C04 C89	BF	6
B-13501 C26	AET	2	B-14C04 C90	BF	8
B-13501 C27	AET	2	B-14C04 C91	BF	6
B-13501 C28	AER	1	B-14C04 C92	BF	6
B-13501 C29	AER	1	B-14C04 C93	BF	6
B-13501 C30	AER	1	B-14C04 C94	BF	7
B-13501 C31	AER	1	B-14C04 C95	BF	7
B-13501 C32	AER	2	B-14C04 C96	BF	7
B-13501 C33	AER	2	B-14C04 C97	BC	16
B-13501 C34	AER	2	B-14C04 C98	BC	17
B-13501 C35	AER	2	B-14C04 C99	BC	10
B-13501 C36	AEM	1	B-14C04 C100	BC	10
B-13501 C37	AEM	2	B-14C04 C1C1	BC	3
B-13501 C38	AEL	1	B-14C04 C102	BC	3
B-13501 C39	AEL	1	B-14C04 C1C3	BC	8
B-13501 C40	AEL	1	B-14C04 C1C4	BC	8
B-13501 C41	AEL	1	B-14C04 C105	BC	17
B-13501 C42	AEL	2	B-14C04 C106	BC	17
B-13501 C43	AEL	2	B-14C04 C1C7	BC	17
B-13501 C44	AEL	2	B-14C04 C1C8	BC	18
B-13501 C45	AER	1	B-14C04 C1C9	BC	18
B-13501 C46	AEO	1	B-14C04 C110	BC	18
B-13501 C47	AEO	1			
B-13501 C48	AEO	1			
B-13501 C49	AEO	1			
B-13501 C50	AEF	1			
B-13501 C51	AAKA	1			
B-13501 C52	AEF	1			
B-13501 C53	AEF	1			
B-13501 C54	AEF	1			
B-13501 C55	AEF	2			
B-13501 C56	AEF	2			
B-13501 C57	AEF	2			
B-13501 C58	AEF	2			

ECCC 3-5 MICRONS, IR, OPTICAL, SPECTRA

B-13501 C01	AEM	18
B-13501 C02	AEM	18
B-13501 C03	AEM	18
B-13501 C04	AEM	18
B-13501 C05	AEM	19
B-13501 C06	AEM	35
B-13501 C07	AEM	19
B-13501 C08	AEM	36
B-13501 C09	AEM	13
B-13501 C10	AEM	36

B-135C1 C11	AEM	36	B-13501 0C6	AEM	35
B-135C1 C12	AEM	37	B-13501 0C7	AEM	19
B-135C1 C13	AEM	1	B-13501 0C8	AEM	36
B-135C1 C14	AEM	19	B-13501 C09	AEM	13
B-135C1 C15	AEM	13	B-13501 010	AEM	36
B-135C1 C16	AEM	1	B-13501 011	AEM	36
B-135C1 C17	AEM	1	B-135C1 012	AEM	37
B-13501 C18	AEI	1	B-135C1 013	AEM	1
B-135C1 C19	CJ	1	B-13501 014	AEM	19
B-135C1 C20	CJ	1	B-13501 015	AEM	13
B-13501 C21	AET	1	B-13501 016	AEM	1
B-13501 C22	AET	1	B-13501 017	AEM	1
B-135C1 C23	AET	1	B-13501 018	AEI	1
B-13501 C24	AET	1	B-13501 019	CJ	1
B-13501 C25	AET	2	B-135C1 C20	CJ	1
B-135C1 026	AET	2	B-13501 C21	AET	1
B-13501 C27	AET	2	B-13501 022	AET	1
B-13501 C28	AER	1	B-13501 C23	AET	1
B-13501 C29	AER	1	B-13501 C24	AET	1
B-13501 030	AER	1	B-13501 C25	AET	2
B-13501 031	AER	1	B-13501 C26	AET	2
B-135C1 032	AER	2	B-13501 027	AET	2
B-135C1 C33	AER	2	B-13501 028	AER	1
B-135C1 C34	AER	2	B-13501 C29	AER	1
B-13501 C35	AER	2	B-13501 030	AER	1
B-135C1 C36	AEM	1	B-135C1 031	AER	1
B-135C1 037	AEM	2	B-13501 032	AER	2
B-135C1 C38	AEL	1	B-13501 033	AER	2
B-135C1 039	AEL	1	B-13501 034	AER	2
B-135C1 C40	AEL	1	B-13501 C35	AER	2
B-135C1 C41	AEL	1	B-135C1 C36	AEM	1
B-135C1 C42	AEL	2	B-13501 037	AEM	2
B-135C1 C43	AEL	2	B-13501 038	AEL	1
B-135C1 C44	AEL	2	B-13501 C39	AEL	1
B-135C1 045	AAKA	1	B-13501 C40	AEL	1
B-13501 046	AEO	1	B-135C1 041	AEL	1
B-135C1 C47	AEO	1	B-13501 042	AEL	2
H-135C1 C48	AEO	1	B-13501 C43	AEL	2
B-135C1 C49	AEO	1	B-13501 044	AEL	2
B-135C1 050	AEP	1	B-13501 045	AEA	1
B-135C1 C51	AAKA	1	B-13501 046	AEO	1
B-135C1 C52	AEP	1	B-135C1 C47	AEO	1
B-135C1 C53	AEP	1	B-13501 C48	AEO	1
B-13501 C54	AEP	1	B-13501 049	AEO	1
B-135C1 C55	AEP	2	B-13501 050	AEP	1
B-135C1 C56	AEP	2	B-13501 C51	AAKA	1
B-135C1 C57	AEP	2	B-13501 052	AEP	1
B-135C1 C58	AEP	2	B-13501 C53	AEP	1
B-135C1 C59	AEO	2	B-135C1 C54	AEP	1
B-13501 C60	AEO	2	B-135C1 C55	AEP	2
B-135C1 C61	AAKA	1	B-13501 056	AEP	2
B-135C1 C62	AEP	3	B-13501 057	AEP	2
B-135C1 C63	AEP	3	B-13501 C58	AEP	2
B-135C1 C64	AEP	3	B-13501 059	AEO	2
B-135C1 C65	AAKA	1	B-13501 C60	AEO	2
B-135C1 C66	AEP	3	B-13501 C61	AAKA	1
B-135C1 C67	AEP	4	B-13501 C62	AEP	3
B-13501 C68	AEP	4	B-135C1 C63	AEP	3
B-135C1 C69	AEP	4	B-13501 C64	AEP	3
B-135C1 070	AEO	2	B-13501 C65	AAKA	1
B-135C1 C71	AEP	4	B-13501 066	AEP	3
B-135C1 C72	AEO	2	B-13501 C67	AEP	4
B-135C1 073	AAKA	1	B-135C1 068	AEP	4
B-13501 C74	AAKA	2	B-13501 069	AEP	4
B-135C1 C75	AAKA	2	B-13501 070	AEO	2
B-135C1 C76	AAKA	2	B-13501 071	AEP	4
B-135C1 C77	AAKA	2	B-13501 C72	AEO	2
B-135C1 C78	AAKA	3	B-13501 073	AAKA	1
B-13501 C79	AAKA	3	B-13501 074	AAKA	2
B-135C1 C80	AAKA	3	B-135C1 075	AAKA	2
B-135C1 081	AAKA	3	B-13501 076	AAKA	2
B-135C1 C82	AAKA	4	B-13501 077	AAKA	2
B-135C1 C83	AAKA	4	B-13501 078	AAKA	3
B-135C1 084	AAKA	4	B-135C1 079	AAKA	3
B-135C1 085	AAKA	4	B-135C1 080	AAKA	3
B-135C1 086	AAKA	5	B-13501 C81	AAKA	3
B-13501 C87	AAKA	5	B-135C1 C82	AAKA	4
B-135C1 C88	AAKA	5	B-13501 083	AAKA	4
B-13501 C89	AEP	5	B-13501 084	AAKA	4
B-13621 C01	AEM	19	B-13501 085	AAKA	4
B-13621 C02	AEM	20	B-13501 086	AAKA	5
B-13621 C03	AEM	20	B-13501 087	AAKA	5
B-13501 C09	AEM	19	B-13501 088	AAKA	5
			B-13501 089	AEP	5
			B-13621 C01	AEM	19
			B-13621 C02	AEM	20
			B-13621 C03	AEM	20

ECCD 5-8 MICRONS, IR, OPTICAL, SPECTRA
 B-135C1 C01 AEM 18
 B-13501 C02 AEM 18
 B-135C1 C03 AEM 18
 B-13501 C04 AEM 18
 B-13501 C09 AEM 19

EGCE 8-15 MICRONS, IR, OPTICAL, SPECTRA

B-13501 C01	AEM	18
B-13501 C02	AEM	18
B-13501 C03	AEM	18
B-135C1 C04	AEM	18
B-13501 C05	AEM	19
B-13501 C06	AEM	35
B-13501 C07	AEM	19
B-13501 C08	AEM	36
B-13501 C09	AEM	13
B-13501 C10	AEM	36
B-135C1 C11	AEM	36
B-135C1 C12	AEM	37
B-13501 C13	AEM	1
B-13501 C14	AEM	19
B-13501 C15	AEM	13
B-13501 C16	AEM	1
B-13501 C17	AEM	1
B-13501 C18	AER	1
B-135C1 C19	CJ	1
B-13501 C20	CJ	1
B-13501 C28	AER	1
B-13501 C29	AER	1
B-13501 C30	AER	1
B-13501 C31	AER	1
B-13501 C32	AER	2
B-13501 C33	AER	2
B-13501 C34	AER	2
B-13501 C35	AER	2
B-13501 C36	AEM	1
B-135C1 C37	AEM	2
B-13501 C38	AEL	1
B-13501 C39	AEL	1
B-13501 C40	AEL	1
B-135C1 C41	AEL	1
B-135C1 C42	AEL	2
B-13501 C43	AEL	2
B-13501 C44	AEL	2
B-13501 C45	AEA	1
B-135C1 C46	AEO	1
B-135C1 C47	AEO	1
B-135C1 C48	AEO	1
B-13501 C49	AEO	1
B-135C1 C50	AEP	1
B-135C1 C51	AAKA	1

B-13501 C52	AEP	1
B-13501 C53	AEP	1
B-13501 C54	AEP	1
B-13501 C55	AEP	2
B-13501 C56	AEP	2
B-13501 C57	AEP	2
B-13501 C58	AEP	2
B-13501 C59	AEO	2
B-135C1 C60	AEO	2
B-13501 C61	AAKA	1
B-13501 C62	AEP	3
B-13501 C63	AEP	3
B-135C1 C64	AEP	3
B-13501 C65	AAKA	1
B-13501 C66	AEP	3
B-135C1 C67	AEP	4
B-13501 C68	AEP	4
B-13501 C69	AEP	4
B-13501 C70	AEO	2
B-13501 C71	AEP	4
B-13501 C72	AEO	2
B-13501 C77	AAKA	2
B-135C1 C78	AAKA	3
B-13501 C79	AAKA	3
B-13501 C80	AAKA	3
B-135C1 C81	AAKA	3
B-13501 C82	AAKA	4
B-13501 C83	AAKA	4
B-13501 C84	AAKA	4
B-13501 C85	AAKA	4
B-13501 C86	AAKA	5
B-13501 C87	AAKA	5
B-13501 C88	AAKA	5
B-13501 C89	AEP	5
B-13621 C01	AEM	19
B-13621 CC2	AEM	20
B-13621 C03	AEM	20

FGE ANGLE, MEASUREMENT, OPERATIONS

R-13864 C10	BG	4
R-13864 C11	BG	4
R-13864 C12	BG	4
R-13864 C13	BG	5
R-13864 C14	BG	5
R-13864 C15	BG	5

DATA DOCUMENTS USED IN SECTION 3.2

Unclassified

- B13501 D. K. Wilburn and O. Renius, The Spectral Reflectance of Ordnance Materials at Wavelengths of 1 to 12 Microns (U), Detroit Arsenal, Centerline, Mich., 8 February 1965, AD 087 246 (CONFIDENTIAL).
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- B13864 V. W. McIntire, Light Polarizing Properties of Terrestrial Backgrounds and Painted Surfaces (U), Naval Ordnance Test Station, China Lake, Calif., September 1964, AD 354 613 (CONFIDENTIAL).
- B13946 Martin-Marietta Corp., Ultraviolet Reconnaissance Techniques (U), Martin-Marietta Corp., Orlando, Fla., May 1964, AD 350 665L (SECRET).
- B14004 A. E. Williamson, Night Reconnaissance Subsystem (U), (Final Technical Documentary Report), Martin-Marietta Corp., Orlando, Fla., November 1964, AD 355 324 (CONFIDENTIAL).

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2. V. W. McIntire, Light Polarizing Properties of Terrestrial Backgrounds and Painted Surfaces (U), Naval Ordnance Test Station, China Lake, Calif., September 1964, AD 354 613 (CONFIDENTIAL).
3. A. E. Williamson, Night Reconnaissance Subsystem (U), (Final Technical Documentary Report), Martin-Marietta Corp., Orlando, Fla., November 1964, AD 355 324 (CONFIDENTIAL).

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